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SEQUENCE LISTING

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<150> US 60/322228

<151> 2001-09-14

<160> 338

<170> PatentIn version 3.0

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<211> 289

<212> DNA

<213> mammalian

<220>

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<223> "n" is an unknown nucleotide

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<211> 1584

<212> DNA

<213> mammalian

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<212> PRT

<213> mammalian

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 35 40 45

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Gly Ala Tyr Asn Leu Lys Ala Gln Lys Leu Leu Thr Tyr Gln Leu Met
 65 70 75 80

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 85 90 95

Met Ala Leu Thr Ser Ser Cys Arg Asp Pro Gly Asp Lys Val Ser Ile
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 115 120 125

Ala Ser Ala Phe Tyr Gly Pro Ser Leu Ala Ile Leu Ala Leu Cys Gln
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Lys Asn Ser Glu Ala Thr Leu Pro Ile Ala Val Arg Phe Ala Lys Thr
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Thr Leu Ala Leu Thr Cys Met Tyr Asn Lys Ile Pro Val Gly Ser Glu
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Glu Gly Tyr Arg Ser Leu Phe Gly Gln Val Leu Lys Asp Ile Val Glu
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Lys Ile Ser Met Lys Ile Lys Asp Asn Gly Ile Ile Gly Asp Ile Tyr
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<211> 353

<212> DNA

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<223> "n" is an unknown nucleotide

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<211> 191

<212> DNA

<213> mammalian

<220>

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<222> ()..()

<223> "n" is an unknown nucleotide

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- 7 -

ccacgtgtcc agtgtgtgtt gatcttgctt gattcagctg cttgtacaga actggcgatg 180

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<210> 6

<211> 287

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

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ttctaaataa cacatattat aaaaggaatt atgatatgat gtcntctgaa ggtgccca 240

tgaaattaaa atgtctngga aaatgaattg tgtaatataa gatgata 287

<210> 7

<211> 3671

<212> DNA

<213> mammalian

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- 8 -

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- 10 -

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- 11 -

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<210> 8

<211> 357

<212> DNA

<213> mammalian

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<223> "n" is an unknown nucleotide

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<210> 9

<211> 244

<212> DNA

<213> mammalian

<220>

- 12 -

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 9

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accccttccc ccaaactgcc ttgaaaaaat cctaacta tgagctttga ataagatgag 180

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ctgc 244

<210> 10

<211> 342

<212> DNA

<213> mammalian

<220>

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<222> ()..()

<223> "n" is an unknown nucleotide

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aaaaaaggcg ttggctggga tgcagacaac ttgaaatcct catacattgc caataggact 180

ataaaatggg acagccattt tggaaaacag tctggtagta cctcatgaca ttcactgtgt 240

gatccagcaa ttccactaga tgttacttaa gacaaggaaa atatgatgtc cacataaaaa 300

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342

<210> 11

<211> 440

<212> DNA

<213> mammalian

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<222> ()..()

<223> "n" is an unknown nucleotide

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gggcatttat tcagtataga tttaatgaca aaggctttga gtcaacacac ttgtggggaa	180
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atttttccac cccctgactg	440

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<211> 211

<212> DNA

<213> mammalian

- 14 -

<220>

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<222> ()..()

<223> "n" is an unknown nucleotide

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acatctcacc tttttattct ttatcaatcc a 211

<210> 13

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<212> DNA

<213> mammalian

<220>

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<222> ()..()

<223> "n" is an unknown nucleotide

<400> 13

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<210> 14

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<211> 875

<212> DNA

<213> mammalian

<400> 14

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<212> DNA

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<223> "n" is an unknown nucleotide

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<210> 16

<211> 290

<212> DNA

<213> mammalian

<400> 16

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- 17 -

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<210> 17
<211> 620
<212> DNA
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<210> 18
<211> 656
<212> DNA

- 18 -

<213> mammalian

<400> 18

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cttacagtcg ttttttacag agaaaagggg cattgttttt tcacttgctt tctcaacagt 180

tcctgtgaat aaatgaaaca ttctggagct ccctgagagc aagacgctag catggtgctc 240

tgccaggaca ggtttccctg aaggaagctg ctcacactcg agatgagcct ctcagggcag 300

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tgccctctcc atgtcttctg cctggcaaac agggctcgtct taaaattatg cgctaattct 480

gtatgggagc actcaaaagg cattacttag agattgaaat ttcaaactat ctctagtttt 540

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<211> 641

<212> DNA

<213> mammalian

<400> 19

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gaatggagtc ctcagggctg caggggactg tgggtgctaac aattaaactg ttcaagactt 180

- 19 -

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<210> 20

<211> 2306

<212> DNA

<213> mammalian

<400> 20

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 ctgatacatt gctgaaaaga gcctcatgag gataataaat tagtagggga gacagggagg 480

- 20 -

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- 21 -

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<210> 21

<211> 263

<212> DNA

<213> mammalian

<400> 21

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ttgygatgac tttttaatag acacttacca agaaagaatc tagtacagat gaagctctga 180

- 22 -

atttattccc tgtcatttct ttagtaarac tttattgagc aaggcatatt ccacaaactg 240

ggatttagct gtaaaaaaaaa aaa 263

<210> 22

<211> 245

<212> DNA

<213> mammalian

<220>

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<222> ()..()

<223> "n" is an unknown nucleotide

<400> 22

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aaaattaacc ttttatctag tgacagctag attgtatcac atttgtcatc tatggacact 180

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tgagg 245

<210> 23

<211> 253

<212> DNA

<213> mammalian

<400> 23

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gaagaacgag gctctaaaag agagggcgga ttccctggcc aaggagatcc agtacctgaa 120

- 23 -

agatttgata gaagaggtcc gcaaggcaag ggggaagaaa aggggtcccct agttgaggat 180
 agtcaggagc gtcaatgtgc ttgtacatag agtgcggtga gcatgtgtgt tccaataaat 240
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<210> 24
 <211> 459
 <212> DNA
 <213> mammalian

<220>
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 <222> ()..()
 <223> "n" is an unknown nucleotide

<400> 24
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<210> 25
 <211> 457

- 24 -

<212> DNA

<213> mammalian

<220>

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<222> ()..()

<223> "n" is an unknown nucleotide

<400> 25

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cacctttcaa aaaatgtgaa actgccctgc ctcccccttt tgctgacaac actgtgtaca    360
ttgaccactt cctaccatac tttatgttgt aaaatcaaac tcttttgtgg tacattatct    420
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<210> 26

<211> 261

<212> DNA

<213> mammalian

<220>

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<222> ()..()

<223> "n" is an unknown nucleotide

- 25 -

<400> 26
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 tattattagt gaatgaagct attttccaca gttctaaact ttaaagggtta aaatctgagt 180
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 ctttgacact ncntttaatt a 261

<210> 27
 <211> 2470
 <212> DNA
 <213> mammalian

<400> 27
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 aatgatagga tcagtgtgtg gtctaggaag attgttcttg aaatgacaga gagctttaga 240
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 ccaatttgga aatcataatt aaagatactg gagtgaataa gaacctcaga agagaggtaa 600

- 26 -

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ttatgtcatg agcaacacgc gaagagtcaa gaagcgcgta tttattgggt cagaagtaat 780

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- 27 -

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<211> 2178

<212> DNA

<213> mammalian

<400> 28

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- 28 -

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atggtgaaag actaaagact agttagaagt ctgctgtaat ggttccaact ccagagacat 300

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- 29 -

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<210> 29

<211> 2548

<212> DNA

<213> mammalian

<400> 29

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- 31 -

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- 32 -

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<210> 30

<211> 1691

<212> DNA

<213> mammalian

<400> 30

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 gaactagctc attagttcat cctagaagac cctaggatct attgttatta tttgcctttt 660

- 33 -

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<212> DNA

<213> mammalian

<400> 31

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agtgccagac agtgggcgca ggccagtgtg tgtgcgcacc gtgcgcgagc cgaagcaggg 180

cgaggcattg cctcacctgg gaagcgcaag gggtcaggga gttccctttc tgagtcaaag 240

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agaccggctt aagaaacggc gcaccacgag actatatccc acacctggct cggaggggtc 360

tacgcccacg gaatctcgct gattgctagc acagcagtct gagatcaaac tgcaaggcgg 420

- 35 -

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<210> 33
 <211> 41
 <212> PRT
 <213> mammalian

<400> 33

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Pro Leu Leu Leu Gln Arg Asn Ala Val Pro His Gln Gln Gln Asn Lys
 20 25 30

Ala Gly Trp Arg Met Ile Leu Thr Ser
 35 40

<210> 34
 <211> 1275
 <212> PRT
 <213> mammalian

<400> 34

Met Thr Gly Ser Asn Ser His Ile Thr Ile Leu Thr Leu Asn Ile Asn
 1 5 10 15

Gly Leu Asn Ser Ala Ile Lys Arg His Arg Leu Ala Ser Trp Ile Lys
 20 25 30

Ser Gln Asp Pro Ser Val Cys Cys Ile Gln Glu Thr His Leu Thr Cys
 35 40 45

Arg Asp Thr His Arg Leu Lys Ile Lys Gly Trp Arg Lys Ile Tyr Gln
 50 55 60

Ala Asn Gly Lys Gln Lys Lys Ala Gly Val Ala Ile Leu Val Ser Asp

- 41 -

65		70		75		80
Lys Thr Asp Phe Lys Pro Thr Lys Ile Lys Arg Asp Lys Glu Gly His						
	85		90		95	
Tyr Ile Met Val Lys Gly Ser Ile Gln Gln Glu Glu Leu Thr Ile Leu						
	100		105		110	
Asn Ile Tyr Ala Pro Asn Thr Gly Ala Pro Arg Phe Ile Lys Gln Val						
	115		120		125	
Leu Ser Asp Leu Gln Arg Asp Leu Asp Ser His Thr Leu Ile Met Gly						
	130		135		140	
Asp Phe Asn Thr Pro Leu Ser Thr Leu Asp Arg Ser Thr Arg Gln Lys						
	145		150		155	160
Val Asn Lys Asp Thr Gln Glu Leu Asn Ser Ala Leu His Gln Ala Asp						
	165		170		175	
Leu Ile Asp Ile Tyr Arg Thr Leu His Pro Lys Ser Thr Glu Tyr Thr						
	180		185		190	
Phe Phe Ser Ala Pro His His Thr Tyr Ser Lys Ile Asp His Ile Val						
	195		200		205	
Gly Ser Lys Ala Leu Leu Ser Lys Cys Lys Arg Thr Glu Ile Ile Thr						
	210		215		220	
Asn Tyr Leu Ser Asp His Ser Ala Ile Lys Leu Glu Leu Arg Ile Lys						
	225		230		235	240
Asn Leu Thr Gln Ser Arg Ser Thr Thr Trp Lys Leu Asn Asn Leu Leu						
	245		250		255	
Leu Asn Asp Tyr Trp Val His Asn Glu Met Lys Ala Glu Ile Lys Met						
	260		265		270	

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Phe Phe Glu Thr Asn Glu Asn Lys Asp Thr Thr Tyr Gln Asn Leu Trp
 275 280 285

Asp Ala Phe Lys Ala Val Cys Arg Gly Lys Phe Ile Ala Leu Asn Ala
 290 295 300

Tyr Lys Arg Lys Gln Glu Arg Ser Lys Ile Asp Thr Leu Thr Ser Gln
 305 310 315 320

Leu Lys Glu Leu Glu Lys Gln Glu Gln Thr His Ser Lys Ala Ser Arg
 325 330 335

Arg Gln Glu Ile Thr Lys Ile Arg Ala Glu Leu Lys Glu Ile Glu Thr
 340 345 350

Gln Lys Thr Leu Gln Lys Ile Asn Glu Ser Arg Ser Trp Phe Phe Glu
 355 360 365

Arg Ile Asn Lys Ile Asp Arg Pro Leu Ser Arg Leu Ile Lys Lys Lys
 370 375 380

Arg Glu Lys Asn Gln Ile Asp Thr Ile Lys Asn Asp Lys Gly Asp Ile
 385 390 395 400

Thr Thr Asp Pro Thr Glu Ile Gln Thr Thr Ile Arg Glu Tyr Tyr Lys
 405 410 415

His Leu Tyr Ala Asn Lys Leu Glu Asn Leu Glu Glu Met Asp Thr Phe
 420 425 430

Leu Asp Thr Tyr Thr Leu Pro Arg Leu Asn Gln Glu Glu Val Glu Ser
 435 440 445

Leu Asn Arg Pro Ile Thr Gly Ser Glu Ile Val Ala Ile Ile Asn Ser
 450 455 460

Leu Pro Thr Lys Lys Ser Pro Gly Pro Asp Gly Phe Thr Ala Glu Phe
 465 470 475 480

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Tyr Gln Arg Tyr Met Glu Glu Leu Val Pro Phe Leu Leu Lys Leu Phe
485 490 495

Gln Ser Ile Glu Lys Glu Gly Ile Leu Pro Asn Ser Phe Tyr Glu Ala
500 505 510

Ser Ile Ile Leu Ile Pro Lys Pro Gly Arg Asp Thr Thr Lys Lys Glu
515 520 525

Asn Phe Arg Pro Ile Ser Leu Met Asn Ile Asp Ala Lys Ile Leu Asn
530 535 540

Lys Ile Leu Ala Asn Arg Ile Gln Gln His Ile Lys Lys Leu Ile His
545 550 555 560

His Asp Gln Val Gly Phe Ile Pro Gly Met Gln Gly Trp Phe Asn Ile
565 570 575

Arg Lys Ser Ile Asn Val Ile Gln His Ile Asn Arg Ala Asn Asp Lys
580 585 590

Asn His Met Ile Ile Ser Ile Asp Ala Glu Lys Ala Phe Asp Lys Ile
595 600 605

Gln Gln Pro Phe Met Leu Lys Thr Leu Asn Lys Leu Gly Ile Asp Gly
610 615 620

Thr Tyr Phe Lys Ile Ile Arg Ala Ile Tyr Asp Lys Pro Thr Ala Asn
625 630 635 640

Ile Ile Leu Asn Gly Gln Lys Leu Glu Ala Phe Pro Leu Lys Thr Gly
645 650 655

Thr Arg Gln Gly Cys Pro Leu Ser Pro Leu Leu Phe Asn Ile Val Leu
660 665 670

Glu Val Leu Ala Arg Ala Ile Arg Gln Glu Lys Glu Ile Lys Gly Ile

- 44 -

675	680	685
Gln Leu Gly Lys Glu Glu Val Lys Leu Ser Leu Phe Ala Asp Asp Met		
690	695	700
Ile Val Tyr Leu Glu Asn Pro Ile Val Ser Ala Gln Asn Leu Leu Lys		
705	710	715 720
Leu Ile Ser Asn Phe Ser Lys Val Ser Gly Tyr Lys Ile Asn Val Gln		
725	730	735
Lys Ser Gln Ala Phe Leu Tyr Thr Asn Asn Arg Gln Thr Glu Ser Gln		
740	745	750
Ile Met Gly Glu Leu Pro Phe Val Ile Ala Ser Lys Arg Ile Lys Tyr		
755	760	765
Leu Gly Ile Gln Leu Thr Arg Asp Val Lys Asp Leu Phe Lys Glu Asn		
770	775	780
Tyr Lys Pro Leu Leu Lys Glu Ile Lys Glu Asp Thr Asn Lys Trp Lys		
785	790	795 800
Asn Ile Pro Cys Ser Trp Val Gly Arg Ile Asn Ile Val Lys Met Ala		
805	810	815
Ile Leu Pro Lys Val Ile Tyr Arg Phe Asn Ala Ile Pro Ile Lys Leu		
820	825	830
Pro Met Thr Phe Phe Thr Glu Leu Glu Lys Thr Thr Leu Lys Phe Ile		
835	840	845
Trp Asn Gln Lys Arg Ala Arg Ile Ala Lys Ser Ile Leu Ser Gln Lys		
850	855	860
Asn Lys Ala Gly Gly Ile Thr Leu Pro Asp Phe Lys Leu Tyr Tyr Lys		
865	870	875 880

- 45 -

Ala Thr Val Thr Lys Thr Ala Trp Tyr Trp Tyr Gln Asn Arg Asp Ile
885 890 895

Asp Gln Trp Asn Arg Thr Glu Pro Ser Glu Ile Met Pro His Ile Tyr
900 905 910

Asn Tyr Leu Ile Phe Asp Lys Pro Glu Lys Asn Lys Gln Trp Gly Lys
915 920 925

Asp Ser Leu Phe Asn Lys Trp Cys Trp Glu Asn Trp Leu Ala Ile Cys
930 935 940

Arg Lys Leu Lys Leu Asp Pro Phe Leu Thr Pro Tyr Thr Lys Ile Asn
945 950 955 960

Ser Arg Trp Ile Lys Asp Leu Asn Val Lys Pro Lys Thr Ile Lys Thr
965 970 975

Leu Glu Glu Asn Leu Gly Ile Thr Ile Gln Asp Ile Gly Val Gly Lys
980 985 990

Asp Phe Met Ser Lys Thr Pro Lys Ala Met Ala Thr Lys Asp Lys Ile
995 1000 1005

Asp Lys Trp Asp Leu Ile Lys Leu Lys Ser Phe Cys Thr Ala Lys
1010 1015 1020

Glu Thr Thr Ile Arg Val Asn Arg Gln Pro Thr Thr Trp Glu Lys
1025 1030 1035

Ile Phe Ala Thr Tyr Ser Ser Asp Lys Gly Leu Ile Ser Arg Ile
1040 1045 1050

Tyr Asn Glu Leu Lys Gln Ile Tyr Lys Lys Lys Thr Asn Asn Pro
1055 1060 1065

Ile Lys Lys Trp Ala Lys Asp Met Asn Arg His Phe Ser Lys Glu
1070 1075 1080

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Asp Ile	Tyr Ala	Ala Lys	Lys His	Met Lys	Lys Cys	Ser Ser	Ser
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Leu Ala	Ile Arg	Glu Met	Gln Ile	Lys Thr	Thr Met	Arg Tyr	His
1100			1105		1110		
Leu Thr	Pro Val	Arg Met	Ala Ile	Ile Lys	Lys Ser	Gly Asn	Asn
1115			1120		1125		
Arg Cys	Trp Arg	Gly Cys	Gly Glu	Ile Gly	Thr Leu	Leu His	Cys
1130			1135		1140		
Trp Trp	Asp Cys	Lys Leu	Val Gln	Pro Leu	Trp Lys	Ser Val	Trp
1145			1150		1155		
Arg Phe	Leu Arg	Asp Leu	Glu Leu	Glu Ile	Pro Phe	Asp Pro	Ala
1160			1165		1170		
Ile Pro	Leu Leu	Gly Ile	Tyr Pro	Asn Glu	Tyr Lys	Ser Cys	Cys
1175			1180		1185		
Tyr Lys	Asp Thr	Cys Thr	Arg Met	Phe Ile	Ala Ala	Leu Phe	Thr
1190			1195		1200		
Ile Ala	Lys Thr	Trp Asn	Gln Pro	Lys Cys	Pro Thr	Met Ile	Asp
1205			1210		1215		
Trp Ile	Lys Lys	Met Trp	His Ile	Tyr Thr	Met Glu	Tyr Tyr	Ala
1220			1225		1230		
Ala Ile	Lys Asn	Asp Glu	Phe Ile	Ser Phe	Val Gly	Thr Trp	Met
1235			1240		1245		
Lys Leu	Glu Thr	Ile Ile	Leu Ser	Lys Leu	Ser Gln	Glu Gln	Lys
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Thr Lys	His Arg	Ile Phe	Ser Leu	Ile Gly	Gly Asn		

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1265

1270

1275

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<211> 374

<212> DNA

<213> mammalian

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<222> ()..()

<223> "n" is an unknown nucleotide

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<210> 36

<211> 935

<212> DNA

<213> mammalian

<400> 36

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- 48 -

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tcgggaacta gctgtagaac acaactaaaa actcatgtct tttttcacag aataatgtgc 540
cagttttttg tagcaatgat atttctcttg gaagcagaaa tgctttgtac cagagcacct 600
ccaaactgca ttgaggagaa gttccagaac catccccttt ttccattttt atataattta 660
taaagaaaga ttaaagccat gttgactatt ttacagccac tggagttaac taacccttcc 720
ttgtatctgt ctccccagga gagaatgaag caaaacagga atttggtttt cttttgatgt 780
ccagttacac catccattct gtttaattttg aaaaaatata ccctcccttt agtttggttg 840
gggatataaa ttattctcag gaagaatata atgaactgta cagttacttt gacctattaa 900
aaaggtgtta ccagcaaaaa aaaaaaaaaa aaaaa 935

<210> 37

<211> 302

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

- 49 -

<223> "n" is an unknown nucleotide

<400> 37

tgatttaata cgactcacta tagggctttt ttttttttac tagtcttgct ancggnctgt	60
caatthttgtt gatcttttca aaaanccagg ncctggattc attaatthtt tgaagggtht	120
tttnggtctn tatctcctcc agttctgctc tgatcttagt tatttcttgc cttctgctac	180
cntttngaatt gngttngctc tngcttttct agttctttta atngggangt tagggngtca	240
atthttanato tttcctgctt tctcttgggg ncattaaggg ctataaattn ccctgtncac	300
ac	302

<210> 38

<211> 1200

<212> DNA

<213> mammalian

<400> 38

aagatataaa agctccagaa acgttgactg ggaccactgg agacactgaa gaaggcaggg	60
gcccttagag tcttggttgc caaacagatt tgcagatcaa ggagaacca ggagthttcaa	120
agaagcgcta gtaaggtctc tgagatcctt gcactagcta catcctcagg gtaggaggaa	180
gatggcttcc agaagcatgc ggctgctcct attgctgagc tgcttgcca aaacaggagt	240
cctgggtgat atcatcatga gaccagctg tgctcctgga tggthttacc acaagtccaa	300
ttgctatggg tacttcagga agctgaggaa ctgggtctgat gccgagctcg agtgtcagtc	360
ttacggaaac ggagcccacc tggcatctat cctgagthta aaggaagcca gcaccatagc	420
agagtacata agtggctatc agagaagcca gccgatatgg attggcctgc acgaccacaa	480

- 50 -

```

gaagaggcag cagtggcagt ggattgatgg ggccatgtat ctgtacagat cctgggtctgg      540
caagtccatg ggtgggaaca agcactgtgc tgagatgagc tccaataaca actttttaac      600
ttggagcagc aacgaatgca acaagcgcca acacttcctg tgcaagtacc gaccatagag      660
caagaatcaa gattctgcta actcctgcac agccccgtcc tcttcctttc tgctagcctg      720
gctaaatctg ctcattatth cagaggggaa acctagcaaa ctaagagtga taagggcct      780
actacactgg ctttttttagg cttagagaca gaaactttag cattggccca gtagtggctt      840
ctagctctaa atgtttgccc cgccatccct ttccacagta tccttcttcc ctctccct      900
gtctctggct gtctcgagca gtctagaaga gtgcatctcc agcctatgaa acagctgggt      960
ctttggccat aagaagtaaa gatttgaaga cagaaggaag aaactcagga gtaagcttct     1020
agacccttc agcttctaca cccttctgcc ctctctccat tgctgcacc ccacccagc     1080
cactcaactc ctgcttggtt ttctttggc cataggaagg ttaccagta gaatccttgc     1140
taggttgatg tgggccatac attcctttaa taaaccattg tgtacataag aaaaaaaaaa     1200

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<210> 39

<211> 158

<212> PRT

<213> mammalian

<400> 39

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Met Ala Ser Arg Ser Met Arg Leu Leu Leu Leu Leu Ser Cys Leu Ala
1           5           10           15

```

```

Lys Thr Gly Val Leu Gly Asp Ile Ile Met Arg Pro Ser Cys Ala Pro
20           25           30

```

- 51 -

Gly Trp Phe Tyr His Lys Ser Asn Cys Tyr Gly Tyr Phe Arg Lys Leu
 35 40 45

Arg Asn Trp Ser Asp Ala Glu Leu Glu Cys Gln Ser Tyr Gly Asn Gly
 50 55 60

Ala His Leu Ala Ser Ile Leu Ser Leu Lys Glu Ala Ser Thr Ile Ala
 65 70 75 80

Glu Tyr Ile Ser Gly Tyr Gln Arg Ser Gln Pro Ile Trp Ile Gly Leu
 85 90 95

His Asp Pro Gln Lys Arg Gln Gln Trp Gln Trp Ile Asp Gly Ala Met
 100 105 110

Tyr Leu Tyr Arg Ser Trp Ser Gly Lys Ser Met Gly Gly Asn Lys His
 115 120 125

Cys Ala Glu Met Ser Ser Asn Asn Asn Phe Leu Thr Trp Ser Ser Asn
 130 135 140

Glu Cys Asn Lys Arg Gln His Phe Leu Cys Lys Tyr Arg Pro
 145 150 155

<210> 40

<211> 497

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 40

tttcacttgt cgcaccaggc gtatttcctc tggaatntaa cgagtgtggc aaggccttca

60

- 52 -

gccacagttc caatctcatc ctccatcagc gcatccactc tggagagaaa ctttatgaat 120
 gtaatgagtg cgggaaggcc ttcagccaga gctcggacct caccaagcat cagagaattc 180
 acacggggga gaaaccctat gaatgtagtg aatgtnnaaa agctttcaac cgaaactcat 240
 acctgatttt gcatcggaga attcacactc gagaaaagcc ctacaagtgc actaagtgtg 300
 gcaaggcctt caccgcgagc tccaccctca ctctgcatca cagaatccat gccagagaga 360
 gagcctctga gtacagccca gcctcccttg atgcatttgg cgcgttcctg aaaagttgtg 420
 tgtaaaggaa gaatttgcca tcaagccatt tccccttttg tttctaaatt atttcanaga 480
 tgtgtgctct ggangga 497

<210> 41

<211> 451

<212> DNA

<213> mammalian

<400> 41

gctcccgaag tgatacggag gttaggatgc tacttgctgc aaacaagccc tactttggcc 60
 aacatcctgc ttattttctca aaaaagaggg acagtgaaaa caaaaacgac attgggacat 120
 gctgctcaag gtagttatat atacgataag ttgtatatat gatcactggg agcctaccaa 180
 agctgtagaa atctaggact gtgctaata gatacaaacc aaagatttct atctcttccc 240
 gaaagagagg gtatgtgcac cagtctacag ttccaaagga ctgcaacaaa tgtagatggg 300
 tctgtcctca tccctgagat cagttctact gaaatggcaa caacaactcc aaatacatct 360
 ctcccttctt gaaatcccta aagcactatc gcactcctaa atgcatttct cccaagttag 420

- 53 -

cacttgattg atctgtcttt aatccttcat t

451

<210> 42

<211> 469

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 42

cccttcccct cttctctcag ttttggacaa gtgacaaacc attttgcccc ctcaactcttc 60

ttttttaact gttaaaccac aggaaagcac aaatgaagga aatcctgtgt aaagcattga 120

gaaggaaaga agcctggagc agcctctcct gtccacagcc aggggttagg tctgcaggcc 180

cgtctgcggt ccccatcgag catcaagggg acgcntgtgt gtgcatgcaa gtgaccccga 240

aaacaaccac agccgtcaca tggctcctct gaagttgggg caccctctct tcagcaccaa 300

aatggcccc actccttcgt gtctctccgc tatctccaaa tcggacgttc tttctagctt 360

gagattttta tttttccaca tctgtagtgc catgaagcga ttctgtcttt gacttccaat 420

ggcaaacctg ggtgatcggg aacaagcacg ttgtaccctt ggctggaca 469

<210> 43

<211> 1584

<212> DNA

<213> mammalian

<400> 43

- 54 -

cggggcagct ctgaggaaca aggtggaagc tcagagcgct ggtctccacc ctggtgcccc 60

tgggctggtg ctggcagtgg gagccgtggc tgtggatgag agacatagac gagagagtga 120

gatggcctgg tttgccctct acctcctgag ccttctctgg gctacagctg ggactagtag 180

ccagacccag agttcatgct ccgttcctc agcacaggag cccttgggtca atggaatata 240

agtactcatg gagaactcgg tgacttcata agcctacca aaccccagca tcttgattgc 300

catgaatctg gccggagcct acaacttgaa ggcccagaag ctctgactt accagctcat 360

gtccagcgac aacaacgac taaccattgg gcacctcggc ctacccatca tggccctcac 420

ctctcctgc cgagaccctg gggataaagt atccattcta caaagacaaa tggagaactg 480

ggcaccttcc agccccaacg ctgaagcacc agccttctat gggcccagtc tagcgatctt 540

ggcactgtgc cagaagaact ctgaggcgac cttgccgata gccgtccgct ttgccaagac 600

cctgctggcc aactcctctc ctttcaatgt agacacagga gcaatggcaa ccttggctct 660

gacctgtatg tacaacaaga tccctgtagg ttcagaggaa ggttacagat cctgttttgg 720

tcaggtacta aaggatattg tggagaaaat cagcatgaag atcaaagata atggcatcat 780

tggagacatc tacagtactg gcctcgccat gcaggctctc tctgtaacac ctgagccatc 840

taaaaaggaa tggaactgca agaagactac ggatatgata ctcaatgaga ttaagcaggg 900

gaaattccac aaccccatgt ccattgctca aatcctccct tccctgaaag gcaagacata 960

cctagatgtg ccccagggtca cttgtagtcc tgatcatgag gtacaaccaa ctctaccag 1020

caaccctggc cctggcccca cctctgcac taacatcact gtcatatata ccataaataa 1080

ccagctgagg ggggttgagc tgctcttcaa cgagaccatc aatgttagtg tgaaaagtgg 1140

- 55 -

gtcagtgtta cttgttgicc tagaggaagc acagcgcaaa aatcctatgt tcaaatttga 1200
 aaccacaatg acatcttggg gccttgctgt ctcttctatc aacaatatcg cggaaaatgt 1260
 taatcacaag acatactggc agtttcttag tgggtgaaca cctttgaatg aaggggttgc 1320
 tgactacata cccttcaacc acgagcacat cacagccaat ttcacacagt actaacgaag 1380
 aggtgggttc agcttctatc aaacatctcc aaaggatggg tgaaattttt tccacttcat 1440
 tttaaatcta tgcaaaaaag cgaatgcctg tgatgctacc atattcctgg taaaaacatg 1500
 gagaaccact atgtagaata aaaatgcaaa gttcactgga gtctcaacat ctatgactca 1560
 tgaaaataaa attttcatct tctc 1584

<210> 44

<211> 417

<212> PRT

<213> mammalian

<400> 44

Met Ala Trp Phe Ala Leu Tyr Leu Leu Ser Leu Leu Trp Ala Thr Ala
 1 5 10 15

Gly Thr Ser Thr Gln Thr Gln Ser Ser Cys Ser Val Pro Ser Ala Gln
 20 25 30

Glu Pro Leu Val Asn Gly Ile Gln Val Leu Met Glu Asn Ser Val Thr
 35 40 45

Ser Ser Ala Tyr Pro Asn Pro Ser Ile Leu Ile Ala Met Asn Leu Ala
 50 55 60

Gly Ala Tyr Asn Leu Lys Ala Gln Lys Leu Leu Thr Tyr Gln Leu Met
 65 70 75 80

- 56 -

Ser Ser Asp Asn Asn Asp Leu Thr Ile Gly His Leu Gly Leu Thr Ile
 85 90 95

Met Ala Leu Thr Ser Ser Cys Arg Asp Pro Gly Asp Lys Val Ser Ile
 100 105 110

Leu Gln Arg Gln Met Glu Asn Trp Ala Pro Ser Ser Pro Asn Ala Glu
 115 120 125

Ala Ser Ala Phe Tyr Gly Pro Ser Leu Ala Ile Leu Ala Leu Cys Gln
 130 135 140

Lys Asn Ser Glu Ala Thr Leu Pro Ile Ala Val Arg Phe Ala Lys Thr
 145 150 155 160

Leu Leu Ala Asn Ser Ser Pro Phe Asn Val Asp Thr Gly Ala Met Ala
 165 170 175

Thr Leu Ala Leu Thr Cys Met Tyr Asn Lys Ile Pro Val Gly Ser Glu
 180 185 190

Glu Gly Tyr Arg Ser Leu Phe Gly Gln Val Leu Lys Asp Ile Val Glu
 195 200 205

Lys Ile Ser Met Lys Ile Lys Asp Asn Gly Ile Ile Gly Asp Ile Tyr
 210 215 220

Ser Thr Gly Leu Ala Met Gln Ala Leu Ser Val Thr Pro Glu Pro Ser
 225 230 235 240

Lys Lys Glu Trp Asn Cys Lys Lys Thr Thr Asp Met Ile Leu Asn Glu
 245 250 255

Ile Lys Gln Gly Lys Phe His Asn Pro Met Ser Ile Ala Gln Ile Leu
 260 265 270

Pro Ser Leu Lys Gly Lys Thr Tyr Leu Asp Val Pro Gln Val Thr Cys

- 57 -

275 280 285

Ser Pro Asp His Glu Val Gln Pro Thr Leu Pro Ser Asn Pro Gly Pro
290 295 300

Gly Pro Thr Ser Ala Ser Asn Ile Thr Val Ile Tyr Thr Ile Asn Asn
305 310 315 320

Gln Leu Arg Gly Val Glu Leu Leu Phe Asn Glu Thr Ile Asn Val Ser
325 330 335

Val Lys Ser Gly Ser Val Leu Leu Val Val Leu Glu Glu Ala Gln Arg
340 345 350

Lys Asn Pro Met Phe Lys Phe Glu Thr Thr Met Thr Ser Trp Gly Leu
355 360 365

Val Val Ser Ser Ile Asn Asn Ile Ala Glu Asn Val Asn His Lys Thr
370 375 380

Tyr Trp Gln Phe Leu Ser Gly Val Thr Pro Leu Asn Glu Gly Val Ala
385 390 395 400

Asp Tyr Ile Pro Phe Asn His Glu His Ile Thr Ala Asn Phe Thr Gln
405 410 415

Tyr

<210> 45

<211> 247

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

- 58 -

<400> 45

actgtcccccg gggcgagac cctgnactcg gggacttggg atgttcctct tgggtgtcata 60
ttccaactca gattgagccc tacattgtgc tgcacctggt ccatacggag ttgaatcaga 120
cctggttccc gcctcccccagggtcatgg tccttggagg acccgttgca gggcgaggtc 180
aagaagagtt ctgacctgga tggcccatag acctgacgtc ccagaatcca tgctttcttc 240
attttgc 247

<210> 46

<211> 454

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 46

ctcctgatat agcaacaaag cctgggcaac ctttgttcct ggattctatt tctcctaaaa 60
aatcttttaa gactcgaaaa caaaagtctt cttcaaaggc tgaatacaat ttaactgcat 120
gcaaatgcct cctttgcaag aggaaatata gttcacaaat aatgcttaaa agacatatgc 180
ntattgtcca caagataact ctttctggaa caaactctaa aagagaaaaa ggccctaata 240
atactgccaa cagttcagaa ataacagtta aagttgaacc agcagattct gtagaatctt 300
cccccccttc cattacccat tctccacaga atgaattaaa gggaacaaat cattcaaata 360

- 59 -

aaaaaaagaa cacaccggca gcacagaaaa ataaagttaa acaagactct gaaagcccta 420

aatcaactag tccgtcggct gcaggtggcc agca 454

<210> 47

<211> 382

<212> DNA

<213> mammalian

<400> 47

acacccatgg gaggtcatgc ctgatctgta cttctacaga gatcctgaag agattgaaaa 60

agaagagcag gctgctgctg agaaggcagt gaccaaggag gaatttcagg gtgaatggac 120

tgctcccgct cctgagttca ctgctactca gcctgagggt gcagactggt ctgaagggtg 180

acaggtgccc tctgtgcta ttcagcaatt ccctacttga agactggagc gtcagacctg 240

ccacggaaga ctggtctgca gctccactg ctcaggccac tgaatgggta ggagcaacca 300

ctgactggtc ttaagctgtt cttgcatagg ctcttaagca gcatggaaaa atgggttgat 360

ggaaaataaa catcagtttc ca 382

<210> 48

<211> 361

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 48

- 60 -

tgttttttget atgctcttcc cctttttcttc cctttctctg tgaagcagcc atttttatta 60
 nnttcctggt tatcactcat gcatgcatat gtttattgag gatgttgga ttcaagcaaa 120
 tatatggggt aacattcttt ttgtcatccc tatacgaaag atatacccag tatactctat 180
 tgggtgggggt tttttcctta aaatattcag tagatctctc cagttagcac atagttatct 240
 tatagataga acatatacat ataccctttn ttaactatgc tattaaaata tagctttcag 300
 taccttgata attattttgg gattgaaaaa ctactggaaa tcaactcaat catgtgaaag 360
 c 361

<210> 49

<211> 475

<212> DNA

<213> mammalian

<400> 49

acacatctgc tcctgctctc tctcctccag cgaccctagc catgagaacc ctccaccatcc 60
 tcaactgctgt tctcctcgtg gccctccagg ccaaggctga gccactccaa gctgaggatg 120
 atccactgca ggcaaaaagct tatgaggctg atgccagga gcagcgtggg gcaaatgacc 180
 aggactttgc cgtctccttt gcagaggatg caagctcaag tcttagagct ttgggctcaa 240
 caagggcttt cacttgccat tgcagaaggt cctgttattc aacagaatat tcctatggga 300
 cctgcactgt catgggtatt aaccacagat tctgctgcct ctgagggatg agaacagaga 360
 gaaatatatt cataatttac tttatgacct agaaggaaac tgtcgtgtgt ccatacatt 420
 gccatcaact ttgtttcctc atctcaaata aagtcctttc agcaaaaaaa aaaaa 475

- 61 -

<210> 50

<211> 100

<212> PRT

<213> mammalian

<400> 50

Met Arg Thr Leu Thr Ile Leu Thr Ala Val Leu Leu Val Ala Leu Gln
1 5 10 15

Ala Lys Ala Glu Pro Leu Gln Ala Glu Asp Asp Pro Leu Gln Ala Lys
20 25 30

Ala Tyr Glu Ala Asp Ala Gln Glu Gln Arg Gly Ala Asn Asp Gln Asp
35 40 45

Phe Ala Val Ser Phe Ala Glu Asp Ala Ser Ser Ser Leu Arg Ala Leu
50 55 60

Gly Ser Thr Arg Ala Phe Thr Cys His Cys Arg Arg Ser Cys Tyr Ser
65 70 75 80

Thr Glu Tyr Ser Tyr Gly Thr Cys Thr Val Met Gly Ile Asn His Arg
85 90 95

Phe Cys Cys Leu
100

<210> 51

<211> 515

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

- 62 -

<400> 51
 ngggggccgta ggcgattnca acagctgatn tttatTTTTtC ttcttgattc tcttctacag 60
 tttccaaatt ctctacaatg aacatgtact tctttttaat atcaaaagac aaaagaattg 120
 gtacgtaaaa agaacatcct tcccatcttc aagggtcaaga ttgaacgctg actcctgcag 180
 gaagtcttcc aggattccca ggcaggaatg atggctccct gtcctgtag ctccaggagt 240
 tcttgcttca cgcacgcctc acataccana ctgaatgttg gcaggaggag tgaccaggtc 300
 ggtcatctgt gtccctacca cctacaacag gccagcaatc taccctgttg tgtttgttgg 360
 acagaattaa ccatgatggg cggccgaggg cgcctggagc tatttggggg cttggagaga 420
 acctcttagg agagtgtcag gctctaggcc agtgtcacca gaggaggcca gtctcagtcc 480
 ttggagtcgt cctgtgtgaa attgttatcc cgcta 515

<210> 52
 <211> 340
 <212> DNA
 <213> mammalian

<220>
 <221> misc_feature
 <222> ()..()
 <223> "n" is an unknown nucleotide

<400> 52
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 ctttgatatt atactgtgat tttgaacaga ttatgcaaca ttggaaggaa ggctgtncct 120
 tgatggtttg aagggaactca ncantatgat gatctgggtc caggggaaaa aaatagcttg 180

- 63 -

gttgggtgtct agccccccaa cactttttgtn tcgttgtgta taaaagaaga aagactggca 240
 tgtaccttca tttgcttagc tatttgagta tctagagaaa aattaaaatg caatgagtta 300
 cgcantatac cctggcacac ttaataaatt aaacatttgt 340

<210> 53

<211> 441

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 53

tcgcaaattnn caacaccnac attatatatttc cttctgacac ttggaaggta nccgaaattt 60
 ctagaaatgg atcctttctca caaagtagag accaagagaa aaactcattg attggggtttt 120
 tactttctttc aaggactccn gaaattttcac tttgaactgc cgccaannga gntgttaaga 180
 taaccacacac tnaaactaaa ggctcnccca taggcttgat nnaaaaatga aggtaanntt 240
 ngtangtggg aatcngnnnt gaatnttgat cgtcnncng ccgngnagta ctngnanaa 300
 agcggnat ngggtaangc gccngccccg nnnnanncn ccaactgtgc nnttaaccnc 360
 ccatnccgn anancgacgc canncgnnt nccaaccnn ngggngggnc ncnnngcnng 420
 ccgcnngctc ccctacgacc a 441

<210> 54

- 64 -

<211> 373
 <212> DNA
 <213> mammalian

<220>
 <221> misc_feature
 <222> ()..()
 <223> "n" is an unknown nucleotide

<400> 54
 ctggttcggg tgttacgcac acgtacttaa atgaaagcat gtggcatgtt catcgnataa 60
 cacaatatga atacagggca tgcnttttgc agcagtgagt ctcttcagaa aacccttttc 120
 tacagttagg gntgagttac ttcctatcaa gccnnnacgt gctaacaggc tcaatattcc 180
 tgaatgaaat atcaaactag tgacaagctt cctgggtcttg agatgtcttc tcgntaagga 240
 gatgggcctt ttggagggtan aggataaaaat gaatganctc tgnccatgatn ccgtatttcta 300
 gaactttgca tgaccttttac tggcgnccgc tctttgaatg ttcttgaaan tttaaaacnt 360
 ttctttntna ccn 373

<210> 55
 <211> 495
 <212> DNA
 <213> mammalian

<400> 55
 gcttccattg cacgaagctc tcctaggcca aaaagatgtg caaagatcca ccttaciaag 60
 tagaagaatc tgggtatgct gggttcattt tgccaattga agtttatattt aaaaacaagg 120
 aagaacctag gaaagtccgc ttgattatg acttattcct gcatcttgaa ggccatccgc 180

- 65 -

cagtgaatca cctccgttgt gaaaagctaa ctttcaacaa cccacacagag gacttttaggg 240
 agaaagttgc ttgaaggcag gaggggaccc taataggagt attcatacca gcagcagcag 300
 cagcagcagt agcagcagca gcagcagcag cagcagcagc agtagcagca gcagcagcag 360
 cagcagcggc agcagtagca gcagcagtag cagcagcagc agcagcagta gtccagtttt 420
 tcaaagcctc acaattaatg aaggagccaa ggaaaacott ttaagactcc agagacataa 480
 agtgcttcaa agaaa 495

<210> 56

<211> 2691

<212> DNA

<213> mammalian

<400> 56

gcttgcccgt cggtcgctag ctcgctcggt gcgcgctgtc ccgctccatg gcgctcttcg 60
 tgcggctgct ggctctcgcc ctggctctgg ccctggggccc cgccgcgacc ctggcgggtc 120
 ccgccaagtc gccctaccag ctggtgctgc agcacagcag gctccggggc cgccagcacg 180
 gccccaacgt gtgtgctgtg cagaaggtta ttggcactaa taggaagtac ttcaccaact 240
 gcaagcagtg gtaccaaagg aaaatctgtg gcaaatcaac agtcatcagc tacgagtgct 300
 gtcctggata tgaaaaggtc cctggggaga agggctgtcc agcagcccta ccaactctcaa 360
 acctttacga gaccctggga gtcgttgat ccaccaccac tcagctgtac acggaccgca 420
 cggagaagct gaggcctgag atggaggggc ccggcagctt caccatcttc gccctagca 480
 acgaggcctg ggcctccttg ccagctgaag tgctggactc cctggtcagc aatgtcaaca 540
 ttgagctgct caatgcctc cgctaccata tggtgggcag gcgagtcctg actgatgagc 600

- 66 -

tgaaacacgg catgaccctc acctctatgt accagaattc caacatccag atccaccact	660
atcctaattgg gattgtaact gtgaactgtg cccggctcct gaaagccgac caccatgcaa	720
ccaacgggggt ggtgcacctc atcgataagg tcctctccac catcaccaac aacatccagc	780
agatcattga gatcgaggac acctttgaga cccttcgggc tgctgtggct gcatcagggc	840
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tcgagaagat ccctagttag actttgaacc gtatcctggg cgaccagaa gccctgagag	960
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- 67 -

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<210> 57

<211> 683

<212> PRT

<213> mammalian

- 68 -

<400> 57

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Val Leu Gln His Ser Arg Leu Arg Gly Arg Gln His Gly Pro Asn Val
 35 40 45

Cys Ala Val Gln Lys Val Ile Gly Thr Asn Arg Lys Tyr Phe Thr Asn
 50 55 60

Cys Lys Gln Trp Tyr Gln Arg Lys Ile Cys Gly Lys Ser Thr Val Ile
 65 70 75 80

Ser Tyr Glu Cys Cys Pro Gly Tyr Glu Lys Val Pro Gly Glu Lys Gly
 85 90 95

Cys Pro Ala Ala Leu Pro Leu Ser Asn Leu Tyr Glu Thr Leu Gly Val
 100 105 110

Val Gly Ser Thr Thr Thr Gln Leu Tyr Thr Asp Arg Thr Glu Lys Leu
 115 120 125

Arg Pro Glu Met Glu Gly Pro Gly Ser Phe Thr Ile Phe Ala Pro Ser
 130 135 140

Asn Glu Ala Trp Ala Ser Leu Pro Ala Glu Val Leu Asp Ser Leu Val
 145 150 155 160

Ser Asn Val Asn Ile Glu Leu Leu Asn Ala Leu Arg Tyr His Met Val
 165 170 175

Gly Arg Arg Val Leu Thr Asp Glu Leu Lys His Gly Met Thr Leu Thr
 180 185 190

- 69 -

Ser Met Tyr Gln Asn Ser Asn Ile Gln Ile His His Tyr Pro Asn Gly
195 200 205

Ile Val Thr Val Asn Cys Ala Arg Leu Leu Lys Ala Asp His His Ala
210 215 220

Thr Asn Gly Val Val His Leu Ile Asp Lys Val Ile Ser Thr Ile Thr
225 230 235 240

Asn Asn Ile Gln Gln Ile Ile Glu Ile Glu Asp Thr Phe Glu Thr Leu
245 250 255

Arg Ala Ala Val Ala Ala Ser Gly Leu Asn Thr Met Leu Glu Gly Asn
260 265 270

Gly Gln Tyr Thr Leu Leu Ala Pro Thr Asn Glu Ala Phe Glu Lys Ile
275 280 285

Pro Ser Glu Thr Leu Asn Arg Ile Leu Gly Asp Pro Glu Ala Leu Arg
290 295 300

Asp Leu Leu Asn Asn His Ile Leu Lys Ser Ala Met Cys Ala Glu Ala
305 310 315 320

Ile Val Ala Gly Leu Ser Val Glu Thr Leu Glu Gly Thr Thr Leu Glu
325 330 335

Val Gly Cys Ser Gly Asp Met Leu Thr Ile Asn Gly Lys Ala Ile Ile
340 345 350

Ser Asn Lys Asp Ile Leu Ala Thr Asn Gly Val Ile His Tyr Ile Asp
355 360 365

Glu Leu Leu Ile Pro Asp Ser Ala Lys Thr Leu Phe Glu Leu Ala Ala
370 375 380

Glu Ser Asp Val Ser Thr Ala Ile Asp Leu Phe Arg Gln Ala Gly Leu

- 71 -

Gln Gly Asp Lys Leu Glu Val Ser Leu Lys Asn Asn Val Val Ser Val
 595 600 605

Asn Lys Glu Pro Val Ala Glu Pro Asp Ile Met Ala Thr Asn Gly Val
 610 615 620

Val His Val Ile Thr Asn Val Leu Gln Pro Pro Ala Asn Arg Pro Gln
 625 630 635 640

Glu Arg Gly Asp Glu Leu Ala Asp Ser Ala Leu Glu Ile Phe Lys Gln
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 660 665 670

Val Tyr Gln Lys Leu Leu Glu Arg Met Lys His
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<211> 380

<212> DNA

<213> mammalian

<400> 58

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gaagtgggtca aagagctctc tgtggaagaa cagataaaga gaaatcggtta ttatgatgag 240

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gtaatttact tggaagtaac 380

- 72 -

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<211> 2273

<212> DNA

<213> mammalian

<400> 59

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aagcccagca gcctccagaa aaaaatgtag tgtatgagcg agtgaggacc tacagtgggc      240

ccatgaacaa ggtggtgcag gccttgacc cttcaactc acgggaagtg ctctcccctc      300

tcaaaaccac ctctcctac caaaatttgg ttggagcga ccattctcag gaactccatt      360

ctccaacttt aaaaatatct acatgtgcc caagtactct acatataacc caaaatactg      420

aacaggaact tcattctcca acagtgaac ttactacata tccacagacc actattagga      480

aatatgtagt acaaaatcct gaacaggaac cactgtctca attcctaaga ggaagccatt      540

tcttcccagg aaacaatggt atttatgaaa aaacaataag aaaagtggag aagctaaata      600

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gagagttgct tgctgatctg agccgtaaga atacggatct atatcactgc ttattagaac      900

atttgcagag aattggagga agcaaacagg actttgagtc tacagatgag tcggaagaca      960

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- 73 -

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caactcaaag ccgttttttt tgtgtgtgtg tgtctctgca ttagtacttt gttatttttc 1920

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gaattagttc tgtagatgac aatttcttca ccatttatg agacctaaat cttttccata 2040

acactcatgt attcagtata acaacatact aactgaaaga gggacctgat tgtttaaagt 2100

- 74 -

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<211> 2840

<212> DNA

<213> mammalian

<400> 60

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- 75 -

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- 76 -

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<210> 61

<211> 218

<212> PRT

- 77 -

<213> mammalian

<400> 61

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Val Glu Lys Leu Glu Thr Leu Asp Lys Asn Asn Val Leu Ala Ile Arg
35 40 45

Arg Glu Ile Val Ala Leu Lys Thr Lys Leu Lys Glu Cys Glu Ala Ser
50 55 60

Lys Asp Gln Asn Thr Pro Val Val His Pro Pro Pro Thr Pro Gly Ser
65 70 75 80

Cys Gly His Gly Gly Val Val Asn Ile Ser Lys Pro Ser Val Val Gln
85 90 95

Leu Asn Trp Arg Gly Phe Ser Tyr Leu Tyr Gly Ala Trp Gly Arg Asp
100 105 110

Tyr Ser Pro Gln His Pro Asn Lys Gly Leu Tyr Trp Val Ala Pro Leu
115 120 125

Asn Thr Asp Gly Arg Leu Leu Glu Tyr Tyr Ile Leu Tyr Asn Thr Leu
130 135 140

Asp Asp Leu Leu Leu Tyr Ile Asn Ala Arg Glu Leu Arg Ile Thr Tyr
145 150 155 160

Gly Gln Gly Ser Gly Thr Ala Val Tyr Asn Asn Asn Met Tyr Val Asn
165 170 175

Met Tyr Asn Thr Gly Asn Ile Ala Arg Val Asn Leu Thr Thr Asn Thr

- 78 -

	180		185		190
Ile	Ala	Val	Thr	Gln	Thr
			Leu	Pro	Asn
			Ala	Ala	Tyr
				Asn	Asn
				Arg	Phe
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Ser	Tyr	Ala	Asn	Val	Ala
			Trp	Gln	Ala
	210		215		Tyr

<210> 62

<211> 439

<212> DNA

<213> mammalian

<400> 62

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ctcaaataat gccctggaga tgtcacagat tcctgcagag ccatgggtccc aggcttccca      360

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<210> 63

<211> 95

<212> PRT

<213> mammalian

<400> 63

- 79 -

Met Thr Glu Leu Glu Thr Ala Met Gly Met Ile Ile Asp Val Phe Ser
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Arg Tyr Ser Gly Ser Glu Gly Ser Thr Gln Thr Leu Thr Lys Gly Glu
 20 25 30

Leu Lys Val Leu Met Glu Lys Glu Leu Pro Gly Phe Leu Gln Ser Gly
 35 40 45

Lys Asp Lys Asp Ala Val Asp Lys Leu Leu Lys Asp Leu Asp Ala Asn
 50 55 60

Gly Asp Ala Gln Val Asp Phe Ser Glu Phe Ile Val Phe Val Ala Ala
 65 70 75 80

Ile Thr Ser Ala Cys His Lys Tyr Phe Glu Lys Ala Gly Leu Lys
 85 90 95

<210> 64

<211> 358

<212> DNA

<213> mammalian

<400> 64

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ttctcctgga gcttgctatc agacaaatcc tgccagtcac tcatcagctg gactggagac 300

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<210> 65

- 80 -

<211> 207

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<213> mammalian

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<210> 66

<211> 4375

<212> DNA

<213> mammalian

<400> 66

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- 81 -

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- 82 -

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ctgcattcaa atactacaac atgtggatat cacttcttgg agcaattctt tgttgcatag 2340

taatgttcgt cattaactgg tgggctgcat tgctaacata tgtgatagtc cttgggctgt 2400

atatttatgt tacctacaaa aaaccagatg tgaattgggg atcctctaca caagccctga 2460

cttacctgaa tgcactgcag cattcaattc gtctttctgg agtggaagac cacgtgaaaa 2520

actttaggcc acagtgtctt gttatgacag gtgctccaaa ctcacgtcca gctttacttc 2580

atcttggtca tgatttcaca aaaaatgttg gtttgatgat ctgtggccat gtacatatgg 2640

- 83 -

gtcctcgaag acaagccatg aaagagatgt ccatcgatca agccaaatat cagcgatggc 2700

ttattaagaa caaaatgaag gcattttatg ctccagtaca tgcagatgac ttgagagaag 2760

gtgcacagta tttgatgcag gctgctggtc ttggtcgtat gaagccaaac acacttgtcc 2820

ttggatttaa gaaagattgg ttgcaagcag atatgaggga tgtggatatg tatataaact 2880

tatttcatga tgcttttgac atacaatatg gagtagtggc tattcgcta aaagaaggc 2940

tggatatatc tcatcttcaa ggacaagaag aattattgtc atcacaagag aaatctcctg 3000

gcaccaagga tgtggtagta agtgtggaat atagtaaaaa gtccgattta gatacttcca 3060

aaccactcag tgaaaaacca attacacaca aagttgagga agaggatggc aagactgcaa 3120

ctcaaccact gttgaaaaaa gaatccaaag gccctattgt gcctttaaat gtagctgacc 3180

aaaagcttct tgaagctagt acacagtttc agaaaaaaca aggaaagaat actattgatg 3240

tctgggtggc ttttgatgat ggaggtttga ccttattgat accttacctt ctgacgacca 3300

agaaaaaatg gaaagactgt aagatcagag tattcattgg tggaaagata aacagaatag 3360

accatgaccg gagagcgatg gctactttgc ttagcaagtt ccggatagac ttttctgata 3420

tcatggttct aggagatatc aataccaaac caaagaaaga aaatattata gcttttgagg 3480

aaatcattga gccatacaga cttcatgaag atgataaaga gcaagatatt gcagataaaa 3540

tgaagaaga tgaaccatgg cgaataacag ataatgagct tgaactttat aagaccaaga 3600

cataccggca gatcaggtta aatgagttat taaaggaaca ttcaagcaca gctaattata 3660

ttgtcatgag tctcccagtt gcacgaaaag gtgctgtgtc tagtgctctc tacatggcat 3720

ggttagaagc tctatctaag gacctaccac caatcctcct agttcgtggg aatcatcaga 3780

- 84 -

gtgtccttac cttctattca taaatgttct atacagtga cagccctcca gaatggtact 3840
 tcagtgccta gtgtagtaac ctgaaatctt caatgacaca ttaacatcac aatggcgaat 3900
 ggtgactttt ctttcacgat ttcattaatt tgaaagcaca caggaaagct tgctccattg 3960
 ataacgtgta tggagacttc ggtttttagtc aattccatat ctcaatctta atggtgattc 4020
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 agcgtgttaa ctttttggtt gatgaaagaa gtacaaaaag cttttagcct tgaggtgcct 4140
 tctgaaatta accaaatttc atccatatat cctcttttat aaacttatag aatgtcaaac 4200
 ttgaccttca actgttttta ttctagtct cttccacttt aaaacaaaat gaacactgct 4260
 tgtcttcttc cattgaccat ttagtgttga gtactgtatg tgttttgtta attctataaa 4320
 ggtatctggt agatattaaa ggtgagaatt agggcaggtt aatcaaaaaa aaaaa 4375

<210> 67
 <211> 1212
 <212> PRT
 <213> mammalian

<400> 67

Met Glu Pro Arg Pro Thr Ala Pro Ser Ser Gly Ala Pro Gly Leu Ala
 1 5 10 15

Gly Val Gly Glu Thr Pro Ser Ala Ala Ala Leu Ala Ala Ala Arg Val
 20 25 30

Glu Leu Pro Gly Thr Ala Val Pro Ser Val Pro Glu Asp Ala Ala Pro
 35 40 45

Ala Ser Arg Asp Gly Gly Gly Val Arg Asp Glu Gly Pro Ala Ala Ala

- 85 -

50		55		60
Gly Asp Gly Leu Gly Arg Pro Leu Gly Pro Thr Pro Ser Gln Ser Arg				
65		70		75
				80
Phe Gln Val Asp Leu Val Ser Glu Asn Ala Gly Arg Ala Ala Ala Ala				
	85		90	95
Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Gly Ala Gly Ala Gly				
	100		105	110
Ala Lys Gln Thr Pro Ala Asp Gly Glu Ala Ser Gly Glu Ser Glu Pro				
	115		120	125
Ala Lys Gly Ser Glu Glu Ala Lys Gly Arg Phe Arg Val Asn Phe Val				
	130		135	140
Asp Pro Ala Ala Ser Ser Ser Ala Glu Asp Ser Leu Ser Asp Ala Ala				
145		150		155
				160
Gly Val Gly Val Asp Gly Pro Asn Val Ser Phe Gln Asn Gly Gly Asp				
	165		170	175
Thr Val Leu Ser Glu Gly Ser Ser Leu His Ser Gly Gly Gly Gly Gly				
	180		185	190
Ser Gly His His Gln His Tyr Tyr Tyr Asp Thr His Thr Asn Thr Tyr				
	195		200	205
Tyr Leu Arg Thr Phe Gly His Asn Thr Met Asp Ala Val Pro Arg Ile				
	210		215	220
Asp His Tyr Arg His Thr Ala Ala Gln Leu Gly Glu Lys Leu Leu Arg				
225		230		235
				240
Pro Ser Leu Ala Glu Leu His Asp Glu Leu Glu Lys Glu Pro Phe Glu				
	245		250	255

- 86 -

Asp Gly Phe Ala Asn Gly Glu Glu Ser Thr Pro Thr Arg Asp Ala Val
 260 265 270

Val Thr Tyr Thr Ala Glu Ser Lys Gly Val Val Lys Phe Gly Trp Ile
 275 280 285

Lys Gly Val Leu Val Arg Cys Met Leu Asn Ile Trp Gly Val Met Leu
 290 295 300

Phe Ile Arg Leu Ser Trp Ile Val Gly Gln Ala Gly Ile Gly Leu Ser
 305 310 315 320

Val Leu Val Ile Met Met Ala Thr Val Val Thr Thr Ile Thr Gly Leu
 325 330 335

Ser Thr Ser Ala Ile Ala Thr Asn Gly Phe Val Arg Gly Gly Gly Ala
 340 345 350

Tyr Tyr Leu Ile Ser Arg Ser Leu Gly Pro Glu Phe Gly Gly Ala Ile
 355 360 365

Gly Leu Ile Phe Ala Phe Ala Asn Ala Val Ala Val Ala Met Tyr Val
 370 375 380

Val Gly Phe Ala Glu Thr Val Val Glu Leu Leu Lys Glu His Ser Ile
 385 390 395 400

Leu Met Ile Asp Glu Ile Asn Asp Ile Arg Ile Ile Gly Ala Ile Thr
 405 410 415

Val Val Ile Leu Leu Gly Ile Ser Val Ala Gly Met Glu Trp Glu Ala
 420 425 430

Lys Ala Gln Ile Val Leu Leu Val Ile Leu Leu Leu Ala Ile Gly Asp
 435 440 445

Phe Val Ile Gly Thr Phe Ile Pro Leu Glu Ser Lys Lys Pro Lys Gly
 450 455 460

- 87 -

Phe Phe Gly Tyr Lys Ser Glu Ile Phe Asn Glu Asn Phe Gly Pro Asp
465 470 475 480

Phe Arg Glu Glu Glu Thr Phe Phe Ser Val Phe Ala Ile Phe Phe Pro
485 490 495

Ala Ala Thr Gly Ile Leu Ala Gly Ala Asn Ile Ser Gly Asp Leu Ala
500 505 510

Asp Pro Gln Ser Ala Ile Pro Lys Gly Thr Leu Leu Ala Ile Leu Ile
515 520 525

Thr Thr Leu Val Tyr Val Gly Ile Ala Val Ser Val Gly Ser Cys Val
530 535 540

Val Arg Asp Ala Thr Gly Asn Val Asn Asp Thr Ile Val Thr Glu Leu
545 550 555 560

Thr Asn Cys Thr Ser Ala Ala Cys Lys Leu Asn Phe Asp Phe Ser Ser
565 570 575

Cys Glu Ser Ser Pro Cys Ser Tyr Gly Leu Met Asn Asn Phe Gln Val
580 585 590

Met Ser Met Val Ser Gly Phe Thr Pro Leu Ile Ser Ala Gly Ile Phe
595 600 605

Ser Ala Thr Leu Ser Ser Ala Leu Ala Ser Leu Val Ser Ala Pro Lys
610 615 620

Ile Phe Gln Ala Leu Cys Lys Asp Asn Ile Tyr Pro Ala Phe Gln Met
625 630 635 640

Phe Ala Lys Gly Tyr Gly Lys Asn Asn Glu Pro Leu Arg Gly Tyr Ile
645 650 655

Leu Thr Phe Leu Ile Ala Leu Gly Phe Ile Leu Ile Ala Glu Leu Asn

- 88 -

660	665	670
Val Ile Ala Pro Ile Ile Ser Asn Phe Phe Leu Ala Ser Tyr Ala Leu		
675	680	685
Ile Asn Phe Ser Val Phe His Ala Ser Leu Ala Lys Ser Pro Gly Trp		
690	695	700
Arg Pro Ala Phe Lys Tyr Tyr Asn Met Trp Ile Ser Leu Leu Gly Ala		
705	710	715 720
Ile Leu Cys Cys Ile Val Met Phe Val Ile Asn Trp Trp Ala Ala Leu		
725	730	735
Leu Thr Tyr Val Ile Val Leu Gly Leu Tyr Ile Tyr Val Thr Tyr Lys		
740	745	750
Lys Pro Asp Val Asn Trp Gly Ser Ser Thr Gln Ala Leu Thr Tyr Leu		
755	760	765
Asn Ala Leu Gln His Ser Ile Arg Leu Ser Gly Val Glu Asp His Val		
770	775	780
Lys Asn Phe Arg Pro Gln Cys Leu Val Met Thr Gly Ala Pro Asn Ser		
785	790	795 800
Arg Pro Ala Leu Leu His Leu Val His Asp Phe Thr Lys Asn Val Gly		
805	810	815
Leu Met Ile Cys Gly His Val His Met Gly Pro Arg Arg Gln Ala Met		
820	825	830
Lys Glu Met Ser Ile Asp Gln Ala Lys Tyr Gln Arg Trp Leu Ile Lys		
835	840	845
Asn Lys Met Lys Ala Phe Tyr Ala Pro Val His Ala Asp Asp Leu Arg		
850	855	860

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Glu Gly Ala Gln Tyr Leu Met Gln Ala Ala Gly Leu Gly Arg Met Lys
 865 870 875 880

Pro Asn Thr Leu Val Leu Gly Phe Lys Lys Asp Trp Leu Gln Ala Asp
 885 890 895

Met Arg Asp Val Asp Met Tyr Ile Asn Leu Phe His Asp Ala Phe Asp
 900 905 910

Ile Gln Tyr Gly Val Val Val Ile Arg Leu Lys Glu Gly Leu Asp Ile
 915 920 925

Ser His Leu Gln Gly Gln Glu Glu Leu Leu Ser Ser Gln Glu Lys Ser
 930 935 940

Pro Gly Thr Lys Asp Val Val Val Ser Val Glu Tyr Ser Lys Lys Ser
 945 950 955 960

Asp Leu Asp Thr Ser Lys Pro Leu Ser Glu Lys Pro Ile Thr His Lys
 965 970 975

Val Glu Glu Glu Asp Gly Lys Thr Ala Thr Gln Pro Leu Leu Lys Lys
 980 985 990

Glu Ser Lys Gly Pro Ile Val Pro Leu Asn Val Ala Asp Gln Lys Leu
 995 1000 1005

Leu Glu Ala Ser Thr Gln Phe Gln Lys Lys Gln Gly Lys Asn Thr
 1010 1015 1020

Ile Asp Val Trp Trp Leu Phe Asp Asp Gly Gly Leu Thr Leu Leu
 1025 1030 1035

Ile Pro Tyr Leu Leu Thr Thr Lys Lys Lys Trp Lys Asp Cys Lys
 1040 1045 1050

Ile Arg Val Phe Ile Gly Gly Lys Ile Asn Arg Ile Asp His Asp
 1055 1060 1065

- 90 -

Arg Arg Ala Met Ala Thr Leu Leu Ser Lys Phe Arg Ile Asp Phe
1070 1075 1080

Ser Asp Ile Met Val Leu Gly Asp Ile Asn Thr Lys Pro Lys Lys
1085 1090 1095

Glu Asn Ile Ile Ala Phe Glu Glu Ile Ile Glu Pro Tyr Arg Leu
1100 1105 1110

His Glu Asp Asp Lys Glu Gln Asp Ile Ala Asp Lys Met Lys Glu
1115 1120 1125

Asp Glu Pro Trp Arg Ile Thr Asp Asn Glu Leu Glu Leu Tyr Lys
1130 1135 1140

Thr Lys Thr Tyr Arg Gln Ile Arg Leu Asn Glu Leu Leu Lys Glu
1145 1150 1155

His Ser Ser Thr Ala Asn Ile Ile Val Met Ser Leu Pro Val Ala
1160 1165 1170

Arg Lys Gly Ala Val Ser Ser Ala Leu Tyr Met Ala Trp Leu Glu
1175 1180 1185

Ala Leu Ser Lys Asp Leu Pro Pro Ile Leu Leu Val Arg Gly Asn
1190 1195 1200

His Gln Ser Val Leu Thr Phe Tyr Ser
1205 1210

<210> 68

<211> 441

<212> DNA

<213> mammalian

<220>

<221> misc_feature

- 91 -

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 68

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agcggatnac aatttcacac aggagttgca ccatccgtta ccccgatccc ctnatcaagg      60
tgaatgatac cattcagatt gatttagaga ctggnaagat nctgattnna tcaagtttga      120
cattggttnt ttgngnatg ggggantggg agngctaac ntaggaagaa tnggtgtgat      180
naccaacaga agaganggga ccntggatnt ttggangtgg gttaangngg aaaanatgcn      240
aatgggnaan aggtttggcn anttngantt tnnaanattt ttggttnatn gggaangggg      300
aacaacaan ggattttttt tncngagga aaggggattn ngntnacaat nggtgaaan      360
ananaaaaaa atgggggnaa aaaaganggg ggaaaggggc ntgggggaaan gnaaattnng      420
angaataaaa atggggngga t                                          441

```

<210> 69

<211> 258

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 69

```

gctgctgctg ctgctgctgc tgctgctgct gctaaagttc cagcaaaaaa gatcacgcc      60
gcgagtaaaa aggctccagc ccanaagggt cctgcccaga aagccacagg ccagaaagca      120

```

- 92 -

gcgcctgctc caaaagctca gaagggtcaa aaagctccag ccanaaaagc acctgctcca 180
naggcatctg gcaagaaagc ataagtggca atcataaaaa gtaatanagg ttctttttga 240
cctgttaaaa aaaaaaaaaa 258

<210> 70
<211> 240
<212> DNA
<213> mammalian

<400> 70
ctgctgctgc tgctgctgct gctgctaaag ttccagcaaa aaagatcacc gccgcgagta 60
aaaaggctcc agcccagaag gttcctgccc agaaagccac aggccagaaa gcagcgcctg 120
ctccaaaagc tcagaagggt caaaaagctc cagcccagaa agcacctgct ccaaaggcat 180
ctggcaagaa agcataagtg gcaatcataa aaagtaataa aggttctttt tgacctgttg 240

<210> 71
<211> 267
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 71
aatgtaaagg gattingataa agaggtaaag gattcaaaaa ctacccatat agatattcca 60
agaataagct cttcccttgg aaaaaagcca agtttgactt ctgaatccag cattcatact 120

- 93 -

attactcctt cagttgttaa cttcactagt ttatttagta ataagccttt tttaaaactg 180
ggcgcagtat ctgcatcaga caaacacttg ccaagttgct gaaagcctaa gtactagttt 240
gcagtccaaa ccattaataaa aaaaaaa 267

<210> 72
<211> 482
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 72
cccaaaccag aagatgcaca aggaggaaca tgaggtggct gtgctggggg cccccccag 60
caccatcctt ccaaggtcca ccgtgatcaa catccacagc gagacotccg tgcccgacca 120
tgtcgtctgg tccctgttca acaccctctt cttgaactgg tgctgtctgg gcttcatagc 180
attcgcttac tccgtgaagt ctagggacag gaagatgggt ggcgacgtga ccggggccca 240
ggcctatgcc tccaccgcca agtgcctgaa catctggggc ctgattctgg gcatcctcat 300
gaccattgga ttcacotctgt tactgggtatt cggctctgtg acagtctacc atattatgtt 360
acagataata caggaaaaac ggggttacta ntagccgcca tagcctgcaa cctttgcact 420
cactgtgcaa tgctggccct gcacgctggg gctgttgccc tgccccttgg tctgccctag 480
at 482

- 94 -

<210> 73
<211> 521
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 73
gcgttgggag ctctccctat ggtcgacctg caggcggccg cgaattccta gtgattagcg 60
gataacaatt tcacacagga cgactccaag ttccatcata tttgagataa aggtttgaac 120
atatgaattt tgcggggaca caaccatgca gttcataaca tttgacatgt cctatcagtg 180
ctcacagaac ttgaatcagc ttttttaagt attacttatt tatttagaga tggtaacttg 240
ctatgttgtc cagattggtc tcaaactcct ggactcaagt gatcctccta cctcagcctc 300
ccaagtcact gggattatag acatgaacca cctcatctgg tttcaatcaa cttttttggt 360
cttaccata aatataaatg gacagcacag gacaaccaga catttgagaa aaaccctagc 420
aagagcaacc aaaaaaaaaa agccctatag ngagtcgata aatcnattcc cgcggcgcga 480
tggcggccgg aacatgcacg nggccattcn cntagggag t 521

<210> 74
<211> 523
<212> DNA
<213> mammalin

<220>
<221> misc_feature

- 95 -

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 74

```
cgttgggagc tctccctatg gtcgacctgc aggcggccgc gaattcctag tgattagcgg      60
ataacaattt cacacaggac gactccaagc accagttccg gtggtacggg ggaataaccag      120
tgaaatagtt tggttctccc tgaagcatct gcatattgaa agaacgcttt cccactgtg      180
tgtcttctcc ccctcctcca gtaaaaacag tcccggtcgg gtgctgtggc tcgcgtctgt      240
aatcccagca ctttgggagg cggaggtggg cggatcacct aaggtcggga gttcgagacc      300
agcctggcca acatggtgga accccgtctc tgctaaaaat acaaaaaaat ttagccgtgc      360
ttggtggcac ctgtgatccc agctacttgg gaggctgagg cgggagaatc gcctgacctg      420
ggaactaagg caggagaatc cctggacctg gaggcaaagg ttgcagtggc caacgnacca      480
ttgnetctac ctggcacaca cnaactccgt ccaaaaaaaaa gcn                        523
```

<210> 75

<211> 534

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 75

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gttgggagct ctcccatatg gtcgacctgc aggcggccgc gaattcctag tgattaaccc      60
```

- 96 -

ctcaagaccc gtttagaggc cccaaggggt taactagtta ctcgagtgcg gccgcaagct 120
 tcagagagct aaattgagtc tatcattatg gcaaagtctg acccaaaatt ttaatttgta 180
 attttagcat gtgtctcatg cactttgggg agcgtcaaac taaatctaca attgccagaa 240
 gccttggtac agtttaatgc acattaacta aaatgtgtac attttttagtg ttcattgataa 300
 atgcagttat gaccttatta cacttttggc attctttaag aaagcacatt aagctttaat 360
 ataagaaata tttagggttac acttgtgctc aagtaataat aaaacatttg tcttttttga 420
 tctcatacat tctctctca ggtatggcca tctcctgacg cttgagccac cgcttgaatc 480
 ggatcccgac atacacctga ctggaancac gcttcatcaa ttccgcgccg cagg 534

<210> 76

<211> 520

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 76

ccaagagtgg agcattcttc ccatgattcc cctgacactt ggctgaaagc attttgcact 60
 aatttgcttt gtgcccgttc agacaatcta aaaagaaagg atgggggggac aacaagtgtc 120
 tattacacag aataaacagc ctctggcaaa tgaatacatt ttacacactt gtgcttttgg 180
 agggatgggg tagtgatgag gggaagggga atggaggagg agaagtcaag gattagaggt 240
 ctcttcagca tctcaggact gcctctctct ctctgtggtc acaggggtag gtttgggtccc 300

- 97 -

atggcagaca tgaaactcaa gatcagccct ggcgtatacg gggtgggagg ccagngctgc 360
ctctgggtggc ccccccaacc tgcaattcat attttgaatg gggttaaagcc tcttggcaat 420
acttttatcc tctaataaaa agattgaacn ctttccttg attatattta aatgttaccc 480
atataaatat actgcctgag gggangggta accctcttat 520

<210> 77
<211> 524
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 77
gggtggcctcg agcaatctgg aggctgttgg aatatgaata gcggtaacag ctgggggtata 60
tgagaaaata ttgactccta tctggccttc atcaactgac ctgaaaagc ctcatgagat 120
gctttttctt aatgtgattt tggtcagcct cactgttttt accttaattt caactgccca 180
cacacttgac cgtgcagtca ggagtgactg gcttctcctt gtcctcattt atgcatgttt 240
ggaggagctg attcctgaac tcatatttaa tctctactgc cagggaatg ctacattatt 300
tttctaattg gaagtataat tagagtgatg ttggtagggg agaaaaagag ggagtccttg 360
atgctttcag gttaatcaga gctatgggtg ctcaggcttg tctttctaag tgacatatct 420
tatctaattc tcanatcagg gtttgaaacc ttgggggnct tttaaaattt aatccctcnt 480

- 98 -

tntttnggcc aaatgtccaa aaaaaggcta tatctttccc aatt 524

<210> 78

<211> 524

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 78

tttctctttc aggtaggaaa atggaggcta agaaaagtta atttgtccga gggccctctg 60

atgatagtga aactgggatg gaacctctgc ctgcttgctt ctgaggctctg ggctcctaac 120

tactgctcta ctgcctcgag ccaagagatt tacgccctat taagcaatth gtgtgtccga 180

taaattggaa gacacagcag ataagcaaac aactcaagca accaggctcag ttcctggagt 240

ttctgaattg ttgggaccaa ggggccgtgc agaggtaacc acagctggcg tagtgtggtt 300

gaggtagccc tattagcctt ttagttgctg ttactaattt atttctcagt ggtcaatgaa 360

ccaattgcc acaatcactt tgtgtatagg tcatgtccca tggctctgac ccaggttgct 420

gctcagagtt ggcatcgtgg ctaaaatatt actagaggctc aaaatatgtg tgtgtttgtg 480

gtgattagtc aagnatctaa agaattgaca acattttggc atat 524

<210> 79

<211> 198

<212> DNA

<213> mammalian

- 99 -

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 79

gctgctaaac aactaatgct cctggaggca aaaacccccg ccaggaaaag gagctggcgg 60

agaacagggg acanctggag attttacgtg ccaaatgcc aagaactcaa acacactcgg 120

atggcaaaat cgcagtggaa gttcataaat caattgtgaa tgaattaaaa agccaattac 180

agaaggaaaa aaaaaaaaaa 198

<210> 80

<211> 615

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 80

cctanggaaa anttttagtg atgtctttgt naaagtcacc nccagaatc taaaaatgct 60

gcgtatagtg gaaccttatg tgacctgggg atttccaaat ctgaagtctg tccgagaact 120

cattttgaaa cgtggacnag ccaaggtcaa naatangacc atccctctga cagacaatac 180

agtgattgan gagcacctgg ggaagtttgg ccgtcatttg cttggaagac ctcatcatg 240

aaattgcctt cccaggggaag catttccagg agatctcatg gttcttgtgc ctttccacc 300

- 100 -

tctcagtggc ccgtcatgct accaaaaata gagtgggctt cctcaaggag atgggcacac 360
 ctggctatcg ggggtgaactg catnancac ctcatccgtc anctnaacta aaccacaggtg 420
 aggcagggct gaaaactgnc cttgggctga cttttgatag gccatgcctt gccactntac 480
 aaagttcttt angcattnac tagtattnaa gaagntncct agannttggg aggaatagag 540
 gaggcnggta caatngatng agacctgctg ngatattnaa ngcctgatta ngacatgggg 600
 ctctgcatag cccta 615

<210> 81

<211> 252

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 81

catcnattaa tgggcaaaat naccagntna catcatantg acaggatcgt attacatata 60
 nnantattaa ccttaaatgt aaataggcta antgcccnaa ttaaaagaca cagactggca 120
 aactggatta agagtcaaga cccatcagtg tgctgaattc aggaaacca tctcacatgc 180
 agagacacac acaggctcaa aataaaggga tggaggaaga tctaccaagc aaatggaaag 240
 caaaaaaaaa aa 252

<210> 82

- 101 -

<211> 522

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 82

```

atttcccctt gagttcaccc acancctttn anaggaatgc attacccatg accnatgctg      60
anaccccatg gggntntançã cnggacctan gaaagtctcn ngcagncaga tagcncatgg      120
tgtcnccaca caactagagc attctggaga ttgccatan agggatgtga ggggaccgtn      180
tanatctntc ttgcttatnt natgcnccta cattccttca gcctcctgga gttcctgata      240
aaangaagcc aggggtgtgga catttttttaa ctnttgattn tccannnnt tngggatcac      300
ttgtacaccc actctttctt ntntgcctaa ttccgnntct tntggaacaa ntantntgcc      360
catgtatgtn tgtntctctt aacacnggct natgaaantn tgantnttgg cttgatgtnt      420
gttgcggtggc ctggaaccan ggagcaacac nctggncatn gttctgtgta ncngaaanta      480
tatttatgaa ncntgtgctt atcccantaa ngtcgctgtg gt                          522

```

<210> 83

<211> 488

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

- 102 -

<223> "n" is an unknown nucleotide

<400> 83

```
aagaagagct aactatccta aatatatatg caccacaatac aggagcacc c agattcataa      60
agcaagtcct tagagaccta caaagagact tanactccca cacaataata gtgggagact      120
ttaacacccc actgtcaaca ttanacagat cancganaca ganagttaac agggatatcc      180
nggaattgan ctcanctgtg gcaccangcg gacctaan acatctacag actctccacc      240
ccaaatcaac agaataatac tttttttcag caccacan cactatattc caaaattgac      300
cacatagtgt ggaagtann gctctcctcng caangtgtaa agagaacaga attttataac      360
aaacgtgtct ctcanaccac agtgcaatca anctagaact cnggattaag aaactcactn      420
aaaaccgtta nttgatggan actgaacacc ctgctctgat gactctgggt cttacgaagn      480
gaggcaaa                                         488
```

<210> 84

<211> 504

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 84

```
ntgagagaag gcatgggatt tttagcataa attcctgtta tgtgagtgct gtttgagttc      60
tgaagttcct atcaatatct gttcctgcaa gtgatctctg taagaccctt tacatgctgg      120
```

- 103 -

tcttagttat tgttaaaatt gcaaggtttc ttcacaccct ctttgataag aagtgttttag 180
 ctggcagagc tttcnttgac ttctgagtct agtgtgggtt ggcccatgac agtgggaaga 240
 aatccaacat gttacatgga gaccttgat gtaaacaac tctgtagcct ttgaaagtgg 300
 aactgctttt tacagttaaa gggctgctaa atggcttgca gatgagatct tctggctcac 360
 cttgatcttc acatgaacc attgtgacct atctggattc ctaggacctg tagttccatt 420
 tgggtatatt agtgccctcag gaatgtgtnc tactggcaag catctcagaa attncgctgn 480
 aggggtanat anaggaagaa ttag 504

<210> 85
 <211> 225
 <212> DNA
 <213> mammalian

<400> 85
 tgccctgtct ggcagtcagc ttcccagaca gactatagac tataaatatg tctccatctg 60
 cottaccaag tgttttctta ctacaatgct gaatgactgg aaagaagaac tgatatggct 120
 agttcagcta gctggtacag ataattcaaa actgctgttg gttttaattt tgtaacctgt 180
 ggccctgatct gtaaataaaa cttacatttt tcgaaaaaaaa aaaaa 225

<210> 86
 <211> 247
 <212> DNA
 <213> mammalian

<400> 86
 gtttttagga actaaggtgt ttctctaaac acaaaatggt gggtgaaact gggaacaact 60

- 104 -

ctcagaagct aatttatttg cttaaattgga aagtgtggga gccctaccct ctctttttgat 120
 ctgccaagga tttcctctca gagctgttgc acagacagag attgtacttg gtaagatacc 180
 aaacaagaca gatatggatc taaatttcta atgtgttcta tgggtttcaa ttccgaaaaa 240
 aaaaaaa 247

<210> 87
 <211> 231
 <212> DNA
 <213> mammalian

<400> 87
 gctgtacatt gttgcttgag agtctgtaca tttacgtcca gatttgtatt tgcactgtca 60
 gtatggcaaa tgagtgaaaa atgtttaata cactattgga ttttttattt cttttttttg 120
 attcagctta taccgggct gaaaacctca atttatgttc atgacagtgg ggattttttt 180
 aaatgtctac attctttcta ataaactgtt ggaagactta aaaaaaaaaa a 231

<210> 88
 <211> 344
 <212> DNA
 <213> mammalian

<400> 88
 atgcaaggat tgtgagtgac tctggggcct ctattgcaaa ttgttctagg gagaaatttg 60
 cctgtcctgg tatcaagccc tggctggaag ccagagagag gggtacagaa agagattaag 120
 gtgtcagtgc tggaggcaga agaggctatt gggcaatttg tttgcctggg tctaccgcac 180
 acctgattta caccagctt gtgaaaacct taccacaggt aaaatgcaa tagttgttct 240

- 105 -

actagagtgg tcaacttttg actgatttat ctcctacatt tttcaaacct tatgtaatgt 300

cttgttttta taataaacag ttttggaatg ttaaaaaaaaa aaaa 344

<210> 89

<211> 355

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 89

gtggacatgt tgaagctttg agatctgagc aggaggcagt gatgtccctg gtctattcag 60

ggaaagatgt cagtgtgaaa tggtaaacad ccaattgaca ggatttagat tttgcttagt 120

ttttctgctt tttaatgttt ctatccccc tctcagtgtt ttctttatcc atcccagtga 180

tgccttattt gaaactgggc ttancntgca aaaagaatga agttggattt aggaactgtt 240

atatcattga gtggtgttga gagtgaagtt tcactancag ggaagtttcc ttgagcctaa 300

aataaaaaag aaaaaattna naaagaatca gtttttttaa attaaaaaaaa aaaaa 355

<210> 90

<211> 191

<212> DNA

<213> mammalian

<400> 90

ttttcccttt accagttctgt cctcaactgcc tcgcctacc atcctgtcac cagtgggacc 60

- 106 -

tcttttaaaac aagcagccaa ccattctttg atgtatccca ttogetccat gttaacatcc 120
aaaaccagcc tggatttcac acatggactt ctgattaata gtggcagggt gtgcatgtta 180
aaaaaaaaa a 191

<210> 91
<211> 336
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 91
tcagtaagg gcaaacagag gatcactgac tcaagatgtg gttttaatta atanaaatgg 60
aggctgagt cantggctca cacctgtgat ccagcactt tgggaggcca aggcangagg 120
actgcttgaa ccaggaggt caagaccagc ctggggaaca tgttgaaacc ctgtctcttg 180
aaaaaataca aaaattagct aggtgtggtg gtgcacagcc tgtagtccca gatacttggg 240
aggctgaggt gggaggatca cttgagcctg ggaggtanaa gcttgcatnc gagctatgat 300
cacaccactg cactccagcc ctgtctcaaa naaaaa 336

<210> 92
<211> 467
<212> DNA
<213> mammalian

- 107 -

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 92

gaagagctaa ctatcctaaa tatatatgca cccaatacag ggagcaccca gattcataaa 60
gcaagtccctn agagacctac aaagagactt agactccac acantaataa tgggagactt 120
taacacocca ctgtcaacat tagacagatc aacgagacag aaagttaaca aggataccca 180
ggaattgaac tcagctctgc accaagngga cctaatagac atctacagaa ctctccaccc 240
caaatcaaca gaatatacat ttttttcagc accacaccac acntattcca aaattgacca 300
catanttga agtaaagctc tcctcagcaa atgtaaaaga acagaaatta taacaaactg 360
tctctcagac ccagtgcac aaactagaac tcgggattaa gaactcctca aaccgctcac 420
tcntggaact gacacctggt ctgatgacnc tggggacata caaaaga 467

<210> 93

<211> 441

<212> DNA

<213> mammalian

<400> 93

tcctttaatt taaaaaagag ttttaaataa ttatctatgt cgcctgtatt tcccttttga 60
gtgctgcaca acatgttaac atattagtgt aaaagcagat gaaacaacca cgtgtttctaa 120
agtctaggga ttgtgctata atccctatgt agttcaaaat taaccagaat tcttccatgt 180
gaaatggacc aaactcatat tattgttatg taaatacaga gttttaatgc agtatgacat 240

- 108 -

cccacagggg aaaagaatgt ctgtagtggg tgactgttat caaatatatt atagaataca 300
 atgaacgggtg aacagactgg gtaacttggt tgagttccca tgacagattt gagacttgct 360
 aataagcaaa tcatttttgt atttaaattt ttgactgatt tgaaaaacat cattaaatat 420
 ctttaaaagt aaaaaaaaaa a 441

<210> 94
 <211> 395
 <212> DNA
 <213> mammalian

<220>
 <221> misc_feature
 <222> ()..()
 <223> "n" is an unknown nucleotide

<400> 94
 tctctgtgac cngacatgag aagggtgcc aatgggctgtt gggcgaccaa ggccttcccc 60
 gagtcttcgt cctctatgag ctctcgccca tgatggtgaa gctgacggag aagcacaggt 120
 ccttcaccca cttcctgaca ggtgtgtgcg ccatcattgg gggcatgttc acagtggctg 180
 gactcatcga ttcgctcatc taccactcag cagagccat ccagaagaaa attgatctag 240
 ggaagacaac gtagtcaccc tcggtgcttc ctctgtctcc totttctccc tggcctgtgg 300
 ttgtccccc gctcttgcca cctccacct cctcggtcaa gcccagccc caggttgata 360
 aatctattga ttgattgtga tagtaaaaaa aaaaa 395

<210> 95
 <211> 350

- 109 -

<212> DNA

<213> mammalian

<220>

<221> misc feature

$\langle 222 \rangle$ $() \dots ()$

<223> "n" is an unknown nucleotide

<400> 95

atttcgaaaa aatccaaatt tcagcaaaaat tataatngggtt gttttcagta cctctgaagg 60

tgctatatca agaattctca tgctactctt tgagaaaaca gattgctgtt ttacctagaa 120

aatcaactgc aaggcatttt tataacctta cccaagtaa aaaaaataca ttgaaatata 180

ctaataaatg cagactacat tacttgaaaa atggtaatac agaatgccct tttaatattt 240

gaaaatatga atttttggta gaaataatgt aaaataaagc ttctggtaag ccttaggcag 300

ttaaatttac atcagtgtaa agtaggatga aaatctgtaa aaaaaaaaaa 350

<210> 96

<211> 251

<212> DNA

<213> mammalian

<400> 96

cctcatgtcc tcacctgttt acccccatgt cccacgtcct caccacctgc ttctttgttt 60

gattaccagt aaatagtatg gggtcccaga gctcagggcc ttcgcagcct ccatactagc 120

gttggctccc tggaccaccc gtatgtactc ttaacttgtc ttgtctcatt cctttttgact 180

ctgtcggact tcatagccac caccgacctgg tgttgagtct tgatcacccc aacaaacaqt 240

aaaaaaaaaa a 251

- 110 -

<210> 97
<211> 478
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 97
cctgaaaact cttttgcatt aagggatcat tgcaagagca gcgtgactga cattatgaag 60
gcctgtactg aagacagcaa gctgttagta cagaccagat gctttcttgg caggctcgtt 120
gtacctcttg gaaaacctca atgcaagata gtgtttcagt gctggcatat tttggaattc 180
tgcacattca tggagtgcaa taatacttgt atagctttcc ccacctccca caaaatcacc 240
cagttaatgt gtgtgtgtgt gtttttttta nggtaaacat tactacttgt aacttttttt 300
cttantcata tttgaaaaag tanaaaattg agttacaatt tgattttttt tccaaagatg 360
tcttgtaaaa tctgttgggc ttttatatga atatttggtt ttntagttaa aaattgacct 420
ttgggaatcc agttgaagtc ccaaanccta aaagagttat caacatctta tttggcct 478

<210> 98
<211> 479
<212> DNA
<213> mammalian

<220>
<221> misc_feature

- 111 -

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 98

tcagaacgcg tcagtaaaca aaacagattt gaatttcctt tccttcatgg aacttaagtt 60

ctagtggtag gaggaggaca gaaaacagta aataactaga ttttgaattg tgtagcaga 120

tgataactga tgtgggaact tagcaggtag aaggcaacac aaggtaaag aagccgggga 180

ttccaccttg actaggagag tcagggcagg cctcacttga gaaagcacca cttgcatgaa 240

ggaggtggga aaagccttca cctgggggaa gaggcttcca ggcagaggga acagccaatg 300

ccaaggccct aatgccttgg ccacttgcct ggtatgtcca aagaacaagg agacctgtgc 360

cagcggctgc agctgagtga gccagggatg tangaatgtg tanagggtgg ttctgggagg 420

tgacagcagga gaaaagtgc caaagtcact agtggctctc tggattggtt cngggcctt 479

<210> 99

<211> 486

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 99

ccgcaaagct ccttagngac ttctaattctt atttggtaaa acaataaaac aaaacagAAC 60

ataaccttgt atcccatcta tccagatgg agaagttctt gaaaattgtc cagcccactt 120

- 112 -

ctgcatttct actttcaata tactttccga gtatattgtc tcatatattt tgaaggagag 180
agtaaagtct gtatgtccta aatagtgggt cccaccgaac cagttaaaaa aatttggagg 240
acgtgacatg tgtttgccaa catttaaatt tttccaagta agagtattat angtagagaa 300
agtgaggaaa atcgagagag agatagagag accgagagac acgaaaatca ncaaccagcc 360
cctattgccca tgattttctta anaggaaaagt tttatgttna aaaaaaatta gtgggggaca 420
taccttagaa tgaagggcng atcttcnata cagaaaatgt gtgcaaaacc tnatgacttg 480
ntnttt 486

<210> 100

<211> 479

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 100

ctctaagtac ttcccttacc cactcagtgt ggtgatggca cctccctgaa tctcctgaca 60
aatgcgaaca ggaactccta ttcacagag ccaacttgat aactganaag attcctctct 120
catttatcag cctttgatta tctttttgtg tctcttacta tttgcgctta gcaagaaaaa 180
taaagagggt tgaacaatta agaagtaaca aagagctcat agttcacaaa gagcaagtca 240
aaggatgtct ggaatatattg aacatacaac tgcctttggc atgaggtggc ctacatacat 300
tctcaggggc aggataggct tggagagctg atcaagctgc ccgggaaanc tgaagcaaag 360

- 113 -

gccgggnggt ggaatnaatg tcncttcaac tgagacttta aaccttgggc tttanctggg 420

cgcagtanct acncctgtaa tccancactt tnggaggtaa gtcnggaaat ccttncgga 479

<210> 101

<211> 408

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 101

ttttctntgg cncgggtcta angttggtaa gcaccttaat ggattggagg gtgtgccaca 60

ggatgaattc cctacctgan ccacttcttg gtgactcagc tttccatgct gtgaaatggg 120

gagaaatgga aaaattgcct ttgctgaggg atatgtggag aatttccatt tttgctctaa 180

gaaaaccaga ggaaacgtcc ccttgagaat tatgtgtgcc ttcagtctcc aacccttct 240

ctccactccc attttctccc ctgttttata aagcttcctg gcaagtcatt gtggctcacg 300

cctgtaatcc cagcactttg ggaggctgag gcaggaggat cccttgagga taagagttga 360

agatcagtct ggtcaacata gtgagattct atctctaaaa aaaaaaaaa 408

<210> 102

<211> 326

<212> DNA

<213> mammalian

- 114 -

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 102

```
gggcttgtn t gtagtccca tagctagcag atggctggag ccaagactga ggctcgttct      60
tcaatgctga gccagggctc cttccgctgc accacaagaa cgctagacca ctgccacca      120
gccttctcat tccctcttcc tccattctaa tcatttctag ctggctggcc tccacagagc      180
ataggaaaac agccagggcc gggcacggtg gctcatgcct gtaatctcac actctgggag      240
gccgagccgg gtggataacc tgaggtcagg aattcgagac cagcctggcc aacatggtaa      300
aaccctatct ctactaaaaa aaaaaa                                     326
```

<210> 103

<211> 470

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 103

```
gctctnnttt cttcttgccc gtgatgggaa gcccttgag gattttaagc aaaaatgtgc      60
cacgattcat cgctggtggg tctgtggaag atggattggg ataaggtggg gagtaggctg      120
gtgggtgggt cttgcatagt cttcatgaa atagtcgtca accttagtgg tagtaaagat      180
```

- 115 -

```

tttcattctt tccaatgtgt ttcacatttt ctaggaactg catgttttgg ggacatgata      240
caattgagga aaataagtat tcttttccga taaagtaatg taaggcctca ttaattaaat      300
aaacgcttta tgagagcaaa aagacttgga aagaattaac ctttggtctgg gcttggtggc      360
tcacgcctgt aatcccagca ctttgggagg ccaaggcgga tggatcacct gaggtcagga      420
gtcaagacag cctgccacca tggagaacct ggctctctaa aaaaaaaaaa      470

```

<210> 104

<211> 454

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 104

```

tggttccctc nggccgtggt gctggcaaaa atgtgtgatt ctctgctgct gggtcagaag      60
gccaaagagtt cagatgcctt gtcccanctg tgcccttgac tttcacaatg acctgtcanc      120
agttattttaa cccagggtcaa gccgagtggc aaaatgccga acaccagggt ctttatagat      180
cttantcctn tgcagtaaag cggggaaatg cctccatatg aagttttacg tacatcgtgt      240
ctccttacac ttnttatect ttcccagngt catgcctttg gggtaaaaaat tatttgtgag      300
agttcaatta anaattattg ntgtcagtct gctgtgggct catgcctgta atcccagcac      360
tttgggagggc caangtggga gggatcactt gagtgcagga gttaagacta gccagggcaa      420
catagtgaga tcctgtctct cctaaaaaaaa aaaa      454

```

- 116 -

<210> 105
<211> 240
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 105
gggttnatta ctcccgatat agcaacaaag cctgggcaac cttgttcct ggattctatt 60
tctcctaaaa aatcttttaa gactcgaaaa caaaagtctt cttcaaaggc tgaatacaat 120
ttaactgcat gcaaatgcct cctttgcaag aggaaatata gttcacaaat aatgcttaaa 180
agacatatgc aaattgtnc aagataact ctttctggaa caaactctaa aaaaaaaaaa 240

<210> 106
<211> 240
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 106
gggtactttg gaattgtccc atattaatca gagatggcaa aagaaaaagt tctcatatta 60
ccaggttgat tttgtgtctc atttcaaatt ttaatttaaa attatggntt tcatttttgt 120

- 117 -

ttaccttaaa gngangctta aaagtggcat gtanttagga cacttaggtt tgttgaaaga 180

atattcgaca tttgnataaa agaatttgcg ataaatntat ccaggngctc accaaagaaa 240

<210> 107

<211> 419

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 107

gtgaaccttc aaacatcgct aagcatttga tctggccatg tatatggtag ctgtgtttta 60

atttgagaat cttgagggta gagccacaaa tttcaattct tacatttcca ttgcaaagt 120

gactagagaa aaagaaatca gcttaaata ggtattaagt aatgtttaga gtcgtaggta 180

ttaactanaa tataaatcct tagaaattgt ctttatacct tcaaaaatta tactatgcat 240

ttatcataga aatgtgatta caaagaagtc tgactaccat gtctttaaac atatggcatc 300

tctcaacttt tcttccttat ggggctacat ttgttcattt ccagcagtag cataaactta 360

cgggggacat ggtagacttg ctctaaataa aatttttaaa tgtttactaa aaaaaaaaaa 419

<210> 108

<211> 509

<212> DNA

<213> mammalian

- 118 -

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 108

tgcagnggct ccaataacttn cattttgctc cccattgtga ttctcatcct ggctttgagt 60

tttgcttccc tttgtgtcct gtgggtggatc ctcctccag gcagactggc ctgcttgctc 120

tctggaacat gttgtttgtt tctaccactg tacttttgct tctctcatt cccacagtg 180

gaccgtnnnt ttttcatcat tgcttgcca aatcccattt gtcttttaa ggaanaaaa 240

gcctttgttg atgaagtgtt ttctgggggc agagcacttt catgtatcat cttactgagt 300

cactacaatc ctcactctgt gaggtgatga tatattagcc ccattacaca agaggagaag 360

gggctcagaa aagttcttaa gctcacctga agtcacacag ctaaaagtgg caaagatggg 420

gctttggatt tttaatcaa gtcagtcttg acagaaaagc ccatggcctg ataccatata 480

acaagttggc tctcttacat tctccttcc 509

<210> 109

<211> 505

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 109

- 119 -

gcngnttgct aggenegtga gcatanattt agagtccagn tgtgggggtgg tggngagatg 60

cagccaaccc agngacggcc tataccngc accacttagt tgnatactca gantccaggt 120

gtggccttat agctgtgacc ctgctgaat ctgccagtta gcatctagag ctcatcatag 180

cctggacaca ttccnnttca gtacgagagg agatttcaga gtctgtgttt caaaattaac 240

acttcaactg ctccaagaca ggagccaatg ccagtcttct ctggacattc atgagaagac 300

atgaaaaatg gccacaccct ggctccatcc tgaatgcttg tctctgaggc caaggcgcaa 360

tctgcaagtg gcacngtggt cccgcgagct ttaggttggg aaaagttgct tttgnttctc 420

tctttctctt cctacttgtc tcatgtgna gggacctgga aaggaacttg ctgacaggat 480

ttaaacagna aatccttnca naatg 505

<210> 110

<211> 461

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 110

taccaatgag gggttggttta ttatcaaacc tgaatagctg tggtttctcc agtanatatt 60

ntcttctact gaacatggag ccattattaa nagttgngtg ttttttatta tgtacatttg 120

tatatttttt ngcttggttg angtnctatt tttctaatan ntnctttta gtncttaaa 180

gntgngatac tatatttaga ttctgatget ancntgcaaa tcaggtnngt ctctgctgg 240

- 120 -

gtctctcctg ctttaattnt actttaagga cangtgtant nagtcagtcc accacnttc 300
aaaaaatgtg aaactgccct gctccccctt ttgctgaca aactgtgtg cattgaccac 360
ttcctaccat nctttatgct gnaaaatcaa acccttttgg gggacnttat ctcatgcttc 420
tgcgattcca aanaactcta tggctaccaa aaaaaaaaaa a 461

<210> 111
<211> 200
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 111
gcnggtngag tntaaatgat ggatattgac cagacctgct tggacggaga ccgcatatt 60
atctgttctc ttcgttccaa aacagncttc acttgtctca gaatttgatg gacacatact 120
gtgatgagca ggagcttcag atgcactctt tacacattnt gttgaaataa acctctacat 180
ttgtnaaana aaaaaaaaaa 200

<210> 112
<211> 452
<212> DNA
<213> mammalian

<220>
<221> misc_feature

- 121 -

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 112

```

ctgcncggta gacattntag atggccgggtg agagctcttt gaaaatgaaa acattctgct      60
atttgaatgc aaagtgttct tctttgcctg tgatgtttcc taatctgtga actcatactg      120
gacctcgaag ctgtctatta acaaaaatag caaagtggct gggcangng gctcatgcct      180
gtantcctag cactttgana ngcttnnggg cgnggatca cttgaggcca ggagttnat      240
accagcctgg ccaatatgtg aaaccccatc tctactaaaa atacaaaaat taccctgggtg      300
tggtggngtc tgectgtaag tcccaactac ttgggaggct gangcacacg aatcatttga      360
gctcaggagg cagaggttgn agtgagctna natggcnccc tgcactccac ctgnnggaca      420
cannagggct ctgtctgaaa aanaaaaaaa aa                                     452

```

<210> 113

<211> 195

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 113

```

gtataaatga nggatattcg accnanacct gcttgacgg anaccgcent attatctgnt      60
ctnttcgttc aaaaaacanc cttcacttgt ctnagaattt gatggacaca tactgtgatg      120

```

- 122 -

agcaggagct tcagatgcac tctttacaca ttatgttgaa ataaacctct acatttgtga 180

aanaaaaaaaaa aaaaa 195

<210> 114

<211> 508

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 114

gtataacttgt tnatnacatn ttcgtttcct gagcaataac gattatgaaa agtttaacnn 60

caatcccnaa ttaattngag cctgctgaag gagtttgacc accatttgct gnccgctgca 120

caagcctgca agctgncagn tgccttcagt gcctatacnc cgatcttcat gctcacagca 180

tgcgaatata cngtggcaca gtgtttattg tctgcagann gttcaaata ga ctgtcctcca 240

nanttgaaac acttncatnt gtgtgaancc aaagaagcct ttgagattgg cctnctcanc 300

aagagagatg atgagcctgt nactggaaaa caggatcttc acagctntgt caangctgnt 360

ttcggtctca ccacngtgcn cagaangntn catggggaga cagggactgt ccctgcagca 420

agtcaagcct ttggaatgaa gcaatgggga agctgncaat ttagccttnt tcanaagtnn 480

gacagagaac tttgtttaag attttggt 508

<210> 115

<211> 470

- 123 -

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 115

```
cgtgtttcgt tgtaatccgc acagacattt ccaaggnaaa ttctaaacag tcacccttcc      60
cttttgcatt cccccaaatc ttaagtgtat acataaaacc ctgggtacat attgttgtgg      120
taatagaagg gaattggtta aacagtacac ttgtttatgg aactttctgt ggccacctac      180
gaaagacaag ttaacanant tgtcatggag gctgttggtg ccagccaggg ccgctgcatt      240
ttgacaacat ttccaccctg gccactcagc acatttcatg gaggtcatgt cttttcactg      300
atactttttt gatagttttt atataacaaa atccttattc tatttataac ttaagatgat      360
aaggcactat aaattaatga cctaaaataa tatatttgtc tgttatcttt tgctatttct      420
acttcacttt aatttttagc tgtaaattgg taatggatct tacactntct      470
```

<210> 116

<211> 473

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

- 124 -

<400> 116

ttaanttatt gtcttgccctg ttgctaaca gttttatttc cgaggtaaaa tttgtctgat	60
ttttttctca ttactcattt ttattacca gatggcagtg aattggaata actatatttg	120
gaaatatgat ctctaaacta gcagtctctg aacattatct aagaggagta gaaatcttta	180
ctgtggttgc agatantaaa tgctattaaa agaaagagcg tcttgtaata cttggagcnt	240
tgacaacagc agcagataag gaattttcct gaatttttat ttctgctag tgtggggaca	300
ggagtgggtgg cttggatgtc aggggagagt tcgggtttgt tggcttcatt ttctgtetta	360
tgtggctgag gaagcggttg tctgtatgtt ttgatgcag tcatatgtcg tagtnttgga	420
cgttctcttg cagggagggc accgctngtc aatgagtgga accctcgatt tac	473

<210> 117

<211> 423

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 117

tgccanaggt cannttttga ggaaagccga aatgagaccc agataagaac cagactgtga	60
aggatcttgc acttgatatg aaaagagttt tgcctttttc ctgagggcat cagaaagtca	120
ttaaggtggg tgtgggtggc tacgcctgta atcccagcac tttgggaggc caaggccagt	180
ggatcaccgc aggtgaggan tttnaccag cctaataaac atggcgaacc ctatctctac	240

- 125 -

taaaaataca aaaagtagct tgggccgtgg tggcgccgtg cttgtagtgc cagctgttca 300
ggaggccgag gcaggagaat tgcttgaacc tggaatgtag aggttgcaag tgagccgaga 360
tcacaccgcg tgcactccca actgggcgac agancgagac tccgtctcaa aaaaaaaaaa 420
aaa 423

<210> 118
<211> 502
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 118
gtctgttttc cagggccccc aagcaagggt atggagatnt gccctgcaca agggggtaag 60
tagggctgaa atccagcccc actatctgcc ccaaagaaga ggctcctttc tctaattttc 120
ttaaagggtta gctagcccag aaatagcagt ggtggcatgg agttggagca aagtggacag 180
atttggcata tactttngtg gcagaatgga caggacttaa ttaattagag tgaagggttag 240
agagagaaaag atgtcataaa tgaataccag gtttctgctg ggaaccagtg aacagttgga 300
aatgccattt gtangagata ggatagatgg aaagatttga gggtaaagag tgtaagtttt 360
ccttttagaa gaatcaacta ctctgagata ataacctaac catcccagag ggatgatttg 420
catcttcttt gctgagagga cacctcatcc tcttccttct ctgggttana acttccccaa 480
aagngttggg gattgagggg ga 502

- 126 -

<210> 119
<211> 275
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 119
nacctttctg gggacgctgg cccagtgca ggccaacatc ccacccccta cctcctatgg 60
gaccttgcaa gtcatccac aggctgcact gtcaggaaga ggaccctgtc cccagcact 120
gggcttcacc tagaacttca gtggggggcca aggggtgctga gaaccagca atgaccagga 180
agatacagtc actaacttca tctgtccccg tgccccttcc caggtcctgc ctccacaggt 240
ttaaccaga acaataaacc tggctttgtc atcaa 275

<210> 120
<211> 450
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 120
aagactgtgt tgtcttttct_accaagagta ttaacactac taagtctttc accttaactt 60

- 127 -

atgactcagg atttattcac gtctgcca ctctaggctc acaggaataa aatcaagtgc 120
 tagacacact ggctgtact aaggcactag cctctgtage tgggtggtggc agcgtgggggt 180
 gccgcccagc gtgctgggtc ctggcagtgc ctctgctgtg cttgcacatt gagccctttc 240
 tcagtcagtg gagtatcaag ttgggccatc tgtctactga cctggccttc atgtaagcag 300
 ctgtgggctg cgggcagaca ggagctcaga gatgcagcat gaggcgctta gaaaaacctg 360
 gccatttgct gcctctaatt ccccttttgc ttgccatatt gggcttgtat tacctccttg 420
 aaanataaaa gaatacattt tcaaaaaaaaa 450

<210> 121
 <211> 319
 <212> DNA
 <213> mammalian

<400> 121
 tttagttgcc tgctgtggc tggtaaggta atgtcatgat tcctcctctc ttcagtgaga 60
 ctgagcctga tgtgttaaca aatagggtgaa gaaagtcttg tgctgtattc ctaatcaaaa 120
 gacttaatat attgaagtaa cactttttta gtaagcaaga taccttttta tttcaattca 180
 cagaatggaa tttttttgtt tcatgtctca gatttatatt gtatttcttt ttttaacactc 240
 tacatttccc ttgtttttta actcatgcac atgtgctctt tgtacagttt taaaaagtgt 300
 aataaaatct gacatgtca 319

<210> 122
 <211> 449
 <212> DNA

- 128 -

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 122

aaatagactt tttgcaatta ataatgtatc atatatacat tactctgtca ttagacattc 60

ttctacaata anagttttga catgtattgc caaatatcct cctaangttt atacagatta 120

cactatttaa tcatagttac attttcctaa agacttagtt ttggccaggt gcagtggctc 180

atgcctgtaa tctcagcact ttgggaggcc aaggcgntg gatctgctga ggacgggaat 240

tcaagaccag cctggccaac atggcaggaa accgtgtctc tactaaaaat acanaaaatt 300

agcatgngcg tggnggtggg tgccctgtaat ctcagctact cgggaggctg aggcaggaaa 360

atcgcttgaa cccgggagat ggaggttgca atgagccaan gtcacaccat tgccttcann 420

ctgggcaaca agagtgaaaa tccatctca 449

<210> 123

<211> 289

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 123

- 129 -

agtgagactg agcctgatgt gttaacaaat aggtgaagaa agtcttgtgc tgtattccta 60
atcaaaagac ttaatatatt gaagtaacac ttttttagta agcaagatac ctttttattt 120
caattnncag aatggaattt ttttgtttca tgtctcagat ttattttgta tttctttttt 180
aacactctac atttccttg tttttnnctc atgcacatgt gctctttgta cagttttaaa 240
aagtgttaata aaatctgaca tgtcaatgtg gctagtttta tttttcttg 289

<210> 124

<211> 289

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 124

agtgagactg agcctgatgt gttaacaaat aggtgaagaa agtcttgtgc tgtattccta 60
atcaaaagac ttaatatatt gaagtaacac ttttttagta agcaagatac ctttttattt 120
caattnncag aatggaattt ttttgtttca tgtctcagat ttattttgta tttctttttt 180
aacactctac atttccttg tttttnnctc atgcacatgt gctctttgta cagttttaaa 240
aagtgttaata aaatctgaca tgtcaatgtg gctagtttta tttttcttg 289

<210> 125

<211> 273

<212> DNA

<213> mammalian

- 130 -

<400> 125
acagtaagtc atgatccaga aataaaaagaa cacacagctc tctattcaga catgtgggct 60
tgtggacatg aagctggaga aacataaggt gataaagaaa atcctgatgg aattggtaaa 120
agagcctaag gccacacaaa atcagagtgt tggctgagtg tggaggctca cgctgtaat 180
cccggcactc tgggaggccg aggcaggtgg atcaccttga gatcgggagt ttgagaccag 240
cctggccaac atggtgaaac cctgtctcta gta 273

<210> 126
<211> 440
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 126
ccccttcggc cctagcaaaa ntttttctctg naccctgggtg ccaaaaagat ggctgggtgta 60
agggaccctg tgatacgtgc atgaggtgtg aactgactct gttgattatc cggactgtct 120
cgagtgccat gccagcttca tgattccatg ctgtacttta cgcattgtgcc gcaactctgag 180
taggcatttt gtgaaatttg ttattccttt tatgttgagg aacttccact tgaaatgctt 240
gtatccttgg atgcctccct tagctctcct gctgtaagct tctcctttca gaacagacaa 300
atagccttgt ctctattgtc aaaaggtagg ctcttttatt gttgtcatac ttttcttggc 360
ttgagaatac tggggctggg caagatggct caatgcctat aatcgcagca ctttgggagg 420

- 131 -

ccgcagtgagg cagatacctc

440

<210> 127

<211> 435

<212> DNA

<213> mammalian

<400> 127

cttgggcccc gcttattttt ctctgcccc tggcttataa tgaacaattt ggtacgaact 60

actgacctcc ttctaaaaca ctgagtgacc cttaaaaaaa ttcaacctta gttcccaatg 120

cccttggtga tatataaata atcattgcct tcgtttacta tttcctcaaa tccttaaaaa 180

tagaaagaat caaatatact tgccaaaaaa ttagccaat tgtaaaaaaa tcataagagg 240

accaaagag atagtacatg gaaagtcttt agaaaaagct caaaaatagg taagaatgaa 300

aaaaactatt gggcatcatt gtaatttatt attgttggat atcctgttgt taggattaaa 360

gtaaaaacat caaacattac aaagagacaa gttccctgca gactctttag ttcagtcagt 420

tgtactgata atttg 435

<210> 128

<211> 428

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

- 132 -

<400> 128

ttcgaaccac ctctccttcg ggaaagtgag agccaggctc agggccccga atgtcaccct 60
gcatgggaca gggtgaaata aacactgagg aaagagaccc ttagaattga agtctgaggc 120
acatccccac tgtcacctta gcctgtgcag tttcaatgtg accagcctga atgaentgag 180
agaagccgag ggaaggcata aggggcatcc attattcagg ctcacctggt gatggtacca 240
tcagcagaat ctttcaccaa cgggtgggtcc cagtatactc gagcagtcaa tttctctggc 300
tctgccatct tctcacgtga gtggggacag cggatcttgg ggggatctat gtctgccaag 360
atgaaaaatc aagtgtctgac tcgtgggccc cttgttttcc ctggagggaa tccactgaag 420
caatgcnc 428

<210> 129

<211> 270

<212> DNA

<213> mammalian

<400> 129

cgaagataga gaaggtttct cacattgggt ttggaagtca agcactcagt tcaggctgag 60
agaatattct ctcttagttc ctgctctctg gagtggagta gttcagactc aacagaaaaa 120
gctttgctgg gccaggcgca gtggctcaca cctctaatta gaacactttg ggaggccaag 180
gcgggcagat cacctgaggt caggagtttg agaccagcct ggccaacatg gcgaaacccc 240
atctctacta gaaatacaaa aaattagcca 270

<210> 130

<211> 190

<212> DNA

- 133 -

<213> mammalian

<400> 130

attttaaactg aatctaata caagaaaaca atcagatata tccagactga gagatattca 60
atatgacatt ataaaaacta agattcttca atatgtcaac atcatgaaca ccacaaaatg 120
gcagaaaaat tgttctagat taatggagac taaagagata taacacaagt gcaactcatg 180
gtacctgaat 190

<210> 131

<211> 239

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 131

aggaaaaact tttgtcgcaa ctccctctca gcaaatagcc ttttatcgaa aaactagaga 60
aactctcatc aatgacttct cttcccattt taatacaata ttaattcaac aagaatctat 120
cataccagaa cctccctaaa aagactaaaa gcacccccaa aacaattatt cctgaaaacn 180
attnaaaaca atactagata atggataatg aaatgctgaa tggaatacac tcagatgca 239

<210> 132

<211> 265

<212> DNA

<213> mammalian

- 134 -

<400> 132

```

accagatct aaagcaagtc cttagtgacc tacaaagaga tttagactcc cacacaataa      60
taatgggaga ctittaacacc ccactgtcaa cattagacag atcaacaaga cagaaagtta    120
acaaggatat ccaggaattg aactcagctc tgcactgaag tggacctaat agacatctac    180
agaactctcc accccaaatc aacagaatat acattctttt cagcaccaca ccacacctat    240
tccaaaattg aacacatagg tggaa                                           265

```

<210> 133

<211> 410

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 133

```

tgctccaaga caatgagaac ttcaagacaa tagtggagtt tgagtgccgg ggccttgaac      60
cagttgattt ccagccgcag gctgggtttg ctgctgaagg tgtggagtca gggacagcct    120
tcagtgacat taatctgcag gagaaggact ggactgacta tgatgaaagg ccangantt    180
ctgtgggaat ctatgaggtc acccaccagt ttgtgaagtg ctgatccctc ttccttcag    240
tttgccctta aaactgagaa aaggacaaag tctcttaagc agcanancca cagaagctcg    300
ttcttttgac cttggctcct ggtggctntt accaaacctt tcacaatctg cattgctgga    360
ctttattaca gcttnccaag ccccatcaat aaacccttg tcaccctgc                    410

```

- 135 -

<210> 134

<211> 231

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 134

```

agtatttatt accccccct atgcctcat ttttttaaaa aaggaaaaaa aaaagaaact      60
gggttccagt cttaatcat tttccgtgcc aggttctatt tcgtgtgtgt gtgagtgtgt      120
tctgttttgt gttttgtttt ttgttggtgt tttcagttgt tnggttttct tttctttccc      180
ccctcccggt cccatacttc acagcactnc tggcgcgga agaagcagan c                231

```

<210> 135

<211> 223

<212> DNA

<213> mammalian

<400> 135

```

aacactgtta atgctgtaag tgaaagttca ctgtcgtctg tatactaaat ttattggtgt      60
ttctaactta aaagtaagac tgcagattat cccccaccag ccttagtcca ggggtgtggc      120
tctgtccggg tgcagtatgc agtcatgtgg aacottgctt tctagtcctg ggaaaaaaaa      180
gatgtctcta attctggctt caataaacac cgaatccaga ctg                        223

```

<210> 136

- 136 -

<211> 216

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 136

nataagttct cntgttctat agtactgtag atgactatag ttaacaatac tatattatgt 60
agttttaaatac acctaggagt agtttgaatg ttccaacac aaagaaataa taaatgtttg 120
agatgataga tatgctaatt accctgatct gatcaccatc tacatgtact gaaacatccc 180
cgtatagcca tgaatatgta taatctttgt caattt 216

<210> 137

<211> 442

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 137

ggtaggtggg ttgcggttc aggactgctt ctggaaggga ctgcctgtac ttctgtacca 60
ccgttgccct ttacactttg ctgagggcgg ggtgggggaa gcattcaaac aaaacaagga 120
agggaactgt ctggcaaagc ataagtggat gcatccagag ctgagtcgcc tttaatcttt 180

- 137 -

tgtctctggg cgttctgctg cttcctcata ccggggacat ggcattccag gtcagcttgg 240
 atgtggtctt agaggcaggg agtgccctacc cagtcctgcc tcaggagcag ggtgagtagc 300
 taaatacaga cttaggcttt tttttccccc cttttaagat gctngctcct ctcccttttc 360
 tttttaccac cctaccttta ttgttaagtg ggttacaaag tgacccatat tatgactttg 420
 ctgtaaataa agacagacaa aa 442

<210> 138

<211> 426

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 138

ggtagtattt agagaagacc aatagacaat aaaaaatgat aaaggggata ttaccactga 60
 ccctacagaa atacaaacta ctatcagaga atactataaa cacctctatg caaataaatt 120
 agaaaatcta gaagaaatga ataaattcct gcacgcatac accctaccaa gactaaacca 180
 ggaagaantt naatctctga atagaccaat aagctctgaa attgaggcag taattaatag 240
 cctacaccaa aaaaaagccc aggaccaa at gggattcaca gctgaatcta ccagaaatac 300
 agaggagctg gtccctcctt cagaaattat ttccaacctt ttgaaaaggg aagggactcc 360
 tccttactct tttattgagc cngcatcatc ccaatnccca acctggaaga gacacagcca 420
 tatcat 426

- 138 -

<210> 139
<211> 340
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 139
nttcaactat acctagggct acagtaacca aaacagcatg gtactggtac aaaaacagac 60

acatagacca gaatagagag cccagaaata aagctgcaca cctacaacta tctgatctcc 120

aacaaagctg acaaaaacaa acaatgggga aaagacttcc tattcagtaa atgatgctgg 180

ggatancttg gatagccata tgcggaagat tgaactggga tcctttcctt ataccatctg 240

caaaattact caagatgaat taaaagactt aatgtgacct caaattataa aatctgggaa 300

gacacctagg gcaatccctt ctcgacacag aaaccagca 340

<210> 140
<211> 339
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

- 139 -

<400> 140
ttntaaacca gtacgtagac tggttcccta gtgctttctt tgtctggaag tctccagagt 60
accaagagca tactccatac cctgcgtagt ggagaaaatc tgcttggtca gaggagctcc 120
aaattgtaga tggtttaaaa atatatttagc ctggatgagc cccatcagca gcactcacac 180
acctaccctg ttccacataa attcttgctg tgccgtagtt cacactttaa gcattctggt 240
ccttccctca ttgacctggt taacttttca gtacactaga tatgggccat gtcaagctgt 300
aattcattct ttgntctgaa aacaaccttt tggcaactc 339

<210> 141
<211> 369
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 141
ctatntgtgc atataggcat gtacatcgca gtgcttttat ttgcaaag tccaattatc 60
aggtcacatt tttataacac ttgtgtatgt tgtatgtgct gcttcagaac ccaagcatat 120
ttctcttagt tagggggccgc cttgttgccc aaatgaagaa aattagcagg gaagtgcagt 180
atgttggtcca ttgaatgtta catacatgta atgtctcaaa tacattataa ttggaagtgt 240
taatctgagt gagccctttg agcatgtaat aaatatcttt tagaacattt tangtatcat 300
tttaaagtgt attttaaatcc ttataaaaac atttaattta ttttgacata ctttttgng 360

- 140 -

aatcctaag 369

<210> 142

<211> 218

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 142

ttttnggctc ctatcagtag ttccatctgt ggggctcgca gtaatataag cgacctgttc 60

tgggacacag cactgggccc gctgggggtt tagtagggca gcccttccc tgcaggagtg 120

aggcatggtg acagcagtcc cctatgtgcc cccaagtcac ctgagcattg gtgtgcatta 180

aggtactcaa tcttccaaca ataaatacca taagtgc 218

<210> 143

<211> 353

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 143

cttttcgct ccacattcct tttagcttga ccagtctaata ttaaaatgtg tttgttgag 60

- 141 -

```

gtcattaacg ntacttgtac aatgctgtca ctgtgtgaca tccatatgaa ttttggtata      120
tatcaatcaa tcaatcaatc aatcacattg cattcaatca atcagctgtg attgattgat      180
tatgcttana aatactatac tatagtaact agatgcagtg tgaatttttt ccattaacaa      240
acaaacaaac aagtcagtgg cttaaattgtg attatgggtcc tgcaagggtga ttcttgctaa      300
aatactctaaa cttttgtttt gttttaactg aatcattttt taacttaaaa agc          353

```

```

<210> 144
<211> 313
<212> DNA
<213> mammalian

```

```

<400> 144
tagcttcaag aagaatgatt attmatctgt cagaacagtc cacagtttct gatcataatt      60
ctaattgattt acttcctcag gaatgcaata tggataaaac acataccatg gaattgctac      120
caaaggagaa gtttgtatcc agaccaccca caccaaaatg tgttattgat attacaaatg      180
acactaatTT agaaaaggTg gtcaggaaa actcaagtac ctttggcctt cagacacttc      240
agaaaatgga tcctaattgtt agtgattcaa aacactctat tgcaaatgca aaattcttgg      300
aaacagcaaa aaa                                313

```

```

<210> 145
<211> 364
<212> DNA
<213> mammalian

```

```

<220>
<221> misc_feature
<222> ()..()

```

- 142 -

<223> "n" is an unknown nucleotide

<400> 145

tcgccaggaa gataaaaaaac atgaagaagc agagaagcgg aagtctgttg acactcagct 60
tcaagaanat atgattattc attcgtcaga acagtccaca gtttctgatc ataattctaa 120
tgatttactt cctcaggaat gcaatatgga taaaacacat accatggaat tgctaccaa 180
ggagaagttt gtatccagac caccacacac aaaatgtgtt attgatatta caaatgacac 240
taatttagaa aaggtggctc aggaaaactc agtaccttt ggccttcaga cacttcagaa 300
aatggatcct aatgttagtg attcaaaaca ctctattgca aatgcaaaaat tcttggaac 360
agca 364

<210> 146

<211> 451

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 146

ncaggaccca ctcttattgg ccaggcaggg cgctcccaca gagctttgag taacttcttg 60
gntgtgcagt ctgcaggcaa tggtggcatt gtaaattcct cccttgacgc ctcttcatg 120
tggtgagggg atcacttcag ctgcctgctg tggacaaaga acatcanatt acagcatcac 180
gagtgcatt gttgcctgng gnggtctccc tgtccaagcg ggacognntt gcagagacca 240

- 143 -

gaggcatatc gcggccttgag ctgaanatgc atttgttgca gcttaggttg aattatTTTT 300
cgtttgctct ttcttctaca ccgcgcctga tggatagtga acctattcat caaanaagtg 360
cactgctctt ctgnctattg naccgactta acctcttcca ccagtcgcgc atctgtgtgt 420
anatcaataa cgntgngtgc tttgantgcc a 451

<210> 147

<211> 434

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 147

accccgcntt tattggcagg cttctagagt cccaaggctt ttgtggggag gagaatggac 60
aaatttgatt taaggatcaa ctttcaactg caaatcaaa gaagtataaa aattgtagaa 120
tgaatttaca acttggtatt acaaaattaa ttgacaata aagtcattgt agcaatagac 180
acgggatcct ttaataaagt caagaaactc aagtttctaa acctgatgtt gagcttcacc 240
cctattccct atatcactgg tgggttggtg tgatcatgtt tctccaccct ctggaccacg 300
acattgttgt ggattcttcc atggaaaagc cctaactgtt attactgtgc ttgttatgtt 360
gtctcatgca acaacattcc tatatttatg gaaatgccag acaagttttg tctgtttggg 420
tataaataaa cctt 434

- 144 -

<210> 148

<211> 460

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 148

```
nccttaggcc ntctcanant tggcagaatc gcaacttcta agatactact agatttcgac      60
ctagtaatac taaatccaaa aaggatgtta aacttgaatt ttttggtttt gaagatcatg      120
agacaggagg tgatgaagga ggttctggaa gttctaatta caaaattaag tattttggct      180
ttgatgatct cagtgaagac tgaagatgat gaagatgatg actgtcaagt agaaagaaag      240
acaagcaaaa aaagaactaa aacagctcca tcacctctct tgcagcctcc cccagaaagc      300
aatgataatt cccaggacag tcaggtctgg tactaacaat gcagaggact tgccctggtgt      360
gcctgaaagt gtgaagaagc ccataaataa acaaggagat aaatcaaagg aaaatccaga      420
aagattttta gtggcccaac ggtacccaca aagctgatat      460
```

<210> 149

<211> 286

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

- 145 -

<223> "n" is an unknown nucleotide

<400> 149

```
cttgntngac cgaactgttt ctttccttgg aattttcttg gccaaatgca ttcaagacaa      60
tagacttgta gacttaccta tttctaaacc tttttttaaa cttatgtgta tgggtgacat      120
taaaagcaat atgagtaaac tgatttatga gtcacgaggt gatagagact tacacntgta      180
cttgaaagtc agtctgaagc ttctacagaa gaaggatcatg attcactctc ggtaggaagc      240
tttgaagagg attcaaaatc agaatttatt cttgatcccc ctaaac                      286
```

<210> 150

<211> 335

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 150

```
ncatgcttat tctcagggtt ttcttagaaa ggatatngtg tcaggagatg aagatgtatt      60
cttttcttgc attggtgacc tgtagtttac actgtgtaaa tgcaaaaaaa aagccctata      120
gtgagtcgta ttaaatacga ttcccgcggc cgccatggcg gccgggagca tgcgacgtcg      180
ggcccaattc gccctatagt gagtctgatt aaatcgaatt cccgcggccg ccatggcggc      240
cgggagcatg cnacgtcggg cccaattcgc cctatagtga gtcgtattac aattcactgg      300
ccgtcgtttt acaacgtcgt gactgggaaa accct                                335
```

- 146 -

<210> 151
<211> 418
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 151
cccttngggc ccgggnncat ttnacaagag actaactatc ctaanatatt tgcaccaat 60
acaggagcac caagattcat aaagcaagtc ctgagtgacc taaaagaga cttagactcc 120
cacacattaa taatgggaga ctttaacacc ccactgtcaa cattagacag atcaatgaga 180
cagaaagtca acaaggatac ccaggaattg aactcagctc tgcaccaagc ggacctata 240
gacatctaca gaactctcca cccccaaaaa aagccctata gtgagtcgta ttaaatacga 300
ttcccgcggc cgccatggcg gccgggagca tgcgacgtcg ggcccaattc gccctatagt 360
gagtcgtatt acaattcact ggccgtcggt ttacaacgtc gtgactggga aaccctg 418

<210> 152
<211> 289
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

- 147 -

<400> 152

```

ccccnttcgn tttnctttgg cncgggacgg gttggtagtg gcagacgatg aggtgtgagg      60
ggcagaggaa taagaaatth antggthttt attcagactt tattatttgg gcatgagcca      120
ttggtgatta actcaatctc cagccccctt gccctccctg aagggtgggg aggcaggaag      180
tccatccctc tgatcatgcc ttggtctcca tccccaaac cccatccctga agctacctag      240
ggcccccaat accgagtcac ttcattagag aaggacattc attnctcca      289

```

<210> 153

<211> 266

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 153

```

ngnttccccct tgggcccggg ncattttaaca aggaanacta acctaatata tatgcaccca      60
atacaggagc acccagattc ataaagcaag tccttagaga cctagaaaga gacttagact      120
cccacacatt aataatggga gactttaaca cccactgtc aacattagac agatcaacga      180
gacagaaagt caacaaggat acccaggaat tgaactcagc tctgcaccaa gcagacctaa      240
tagacatcta cagaactctc ccccc      266

```

<210> 154

- 148 -

<211> 409
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 154
gcccggncc ntntaacaag gagcntaac tatectaaat atatatgcac ccaatatagg 60
agcaccaga ttcataaagc aagtcctgag tgacctaaa agagacttaq actcccacac 120
aataataata agagatttta acaaccact gtcaacatta gacagataaa tgaaacagaa 180
agttaacaag ggtacacagg aattgaactc agctctgcac ttaagcggat ctaatagaca 240
tctacagaac tctccacccc aaatccaaca gaatatacat tcttctcagc accacaacac 300
acctattcca aaattgacca cataacttga agtaaattct tactcagcaa atgtaaaaga 360
aaagaaatca taacaaactg tctctcagac cacagtgcaa tcaaactag 409

<210> 155
<211> 339
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 155

- 149 -

cccttgtagc cagatccttt nccagtgcac cccctttccc caagcgctc cttctcctct 60
gtgtcccttg tattggggtg ctactacctg gttcccatc tctacttac ctaggaacca 120
cctccagagt tggcagaagt tgggagacat aaggcgagac aggcacaaag tggagtagag 180
tgaaaagaca caggctttac agttaaaagc cctgtgttta ggccaggtgc ggtggctcac 240
gcctgtaatc ccagcaattt gggaggctga ggtggacaga tcacaaggtc aggagatcga 300
gaccatcctg gctaacacgg tgaaacccca tctctacca 339

<210> 156

<211> 325

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 156

cnttctgta cgcnaacctg gaaatactct tctcaacatt agccttggca aggaatttgt 60
ggctaagtcc tcaaaagcag ttggcaacta aaagaaaaat tgaccaatga gacctaatta 120
gagagcttct ggacagcaag agaaactatc aaggagtaga acagacaacc tacagaatgg 180
gagaaaatat tcacaaacta tgcattcaac aagggtctaat gtccaaaatc ttaaggaact 240
taaatcaact agcagataac cccattataa agggacaaaag gacatgaaca gacactttct 300
caaaagaaga catacaaggt agcca 325

- 150 -

<210> 157

<211> 351

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 157

accattctg tgggtcaaag caagtcatga ggccatctca gtttcaagga gaaaggaaat 60

aagctctacc tcttgagggtg aggaatcaca aataatttat ttctatttca gtctacogtt 120

gacctatcct ttaaaaactgc attccttaaa aaaacagtta aataatacgg gaactttact 180

gttctcaagt attttgtgta aagattgaaa gctacnggaa gcattgagca cttgatatac 240

ttttgttttg aaattcccat tttaaccgtg tgcagttcag tggtttttag tatgttcacg 300

tgattgtgca aacatcatta ctatctaatt ttagaacatt atcaccccaa a 351

<210> 158

<211> 440

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 158

tgtaccaca ccaggnttcc agtgaaacag tgggctangg gactgggccg cccacagaca 60

- 151 -

ctgaggaggg tgtataaaga gtcagcggct gaggccctga caagcctgtg cttgcgctgc 120
 gggcatttat tcagtataga tttaatgaca aaggtcttga gtcaacacac ttgtggggaa 180
 ttcacatggc cgtgcttgcg cccaccccca ccccccgcta gtcttgcacg cagatgattt 240
 aggccagggt ccatgggtcta agtaaaactaa cttacttaga tgagtttctt tacatcccct 300
 tgttacctaa cctaaagttt caggcaccag ataagacaat ctggcttgcc ttcagccaaa 360
 tctttttccg aagcttttgt aaaaccttcc agccttccaa gaaggttaca tctttctaca 420
 atttttccac cccctgactg 440

<210> 159

<211> 281

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 159

aatatctgca ttattagtat ttttctttaa attggatcac tttttttctt acctangtaa 60
 atatatctta aaaggaaact atattactgg cttaaattga aagctattat cacttggtat 120
 gcaggaagg tgaccataaa aataatcaca atggagggcc ntggcacagn ggcttatgcc 180
 tgtaatcca gcactttggg aggtcgagac aggcagatca cctgangttg ggagntcgag 240
 accagccctg accaactgg agaaactcca attctaccan a 281

- 152 -

<210> 160
<211> 260
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ..()
<223> "n" is an unknown nucleotide

<400> 160
tggcaaaaat gtgtgattct ctgctgctgg gtcagaaggc caagagttca gatgccttgt 60

cccagctgtg cccttgactt tcacaatgac ctgtcagcag ttatttaacc caggtcaagc 120

cgagtggcaa aatgccgaac accaggggtct ttatagatct taatacctct gcagtaaagc 180

gggggaaatg cctccatatg aagttttncg tacanctgtc tccttacact ttcttatccn 240

tttnccagtg nccatgcctt 260

<210> 161
<211> 249
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ..()
<223> "n" is an unknown nucleotide

<400> 161
aagtgtcaac cttgcagcag gatttggaca ctctggggagc caaactggat gtggaagctc 60

- 153 -

caaaggtaca gaaaaagaac tccaaaatgt tgacttttac ctctgtcctg ggaatcaccc 120
tgacgctagc tgtcgagata cttatcagtt tttctgccct gatnggacat ttgtaacttt 180
tatncaccta cnttggggga tcaaccagat cttcattcta tactcgtgct ccttgcccta 240
attatgtcc 249

<210> 162
<211> 410
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 162
gggagctccc ncgtcctcag gaccttgact cggctataat gagaagaatg cctacaagat 60
ttcatatcaa ccagcctgct ttaaaacaga gagaagcaat cctgaaactc atcttgaaaa 120
atgaaaatgt ggataggcat gtagacctgc tagaagttgc ccaggaaact gatgggtttt 180
cagggaagtg acctaaaaga gatgtgtcga gatgctgcct cctctgtggt agagaatatg 240
ttaattctac atcagaagaa agccatgacg aaagatgaaa ttccggcctg ttcaacagca 300
gggacctgca tcggggcaat tgaaaagatg aagaaatcaa aggatgcagc atttcagaat 360
gttttaccac atgtttgttt agattaagaa gtaagatctt ttgtncagtc 410

<210> 163
<211> 428

- 154 -

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 163

gtnnntnta gatggcngt gagagctctt tgaaaatgaa aacattctgc tatttgaatg 60

caaagtgttc ttctttgcct gtgatgtttc ctaatctgtg aactcatact ggacctcgaa 120

gctgtctatt aacaaaaaat ggcaaagtgg ctgggcatgg tggctcatgc ctgtagtcct 180

agcactttga gaggctgaag ggggcnggat cactttgaga ccaggagtgc gatgccagcc 240

tggccaatat gtgaaactcc atctctacta ataatacaaa aattagccag gtgtggtggc 300

atctgcttgt agtcccagct actcaggagg ctgaggcaca agaatcattt gagctcagga 360

ggcagagggt gcagtgagct gagatggcac cactgcactc cagcctgggt gacagagggg 420

ggctctgt 428

<210> 164

<211> 303

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

- 155 -

<400> 164

```

agaatctaag ggaatgaatt agttctgtag atgacaattt cttcacccat ttatgagacc      60
taaactctttt ccataacact catgtattca gtataacaac atactaactg aaagagggac      120
ctgattgttt aaagtttgat tgcagacact ggganacata actcattatg tttcagataa      180
ggtaactcct agatatcaaa ctaatttggt ggggnagaga ttttacangt catgccatta      240
caagattttc tctgatatta tatgtgcagg tcagttncaa gatgaaatca tgttttttta      300
aca                                                                    303

```

<210> 165

<211> 411

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 165

```

agtgatttaa tacgactcac tatagggcct tttttttttt caggcntgcn cagcatccct      60
gtgctggagt ttattttaaa aancancncc ccagttatca cagtttcttt ttngttcac      120
cattttccat aacntntaa cctacacaaa atttgggggg agatcctctn tttggagact      180
gacncatttg cagaggggtc atgaataatg attccaaagc tcctatttac cttctgaatc      240
aggcaaagaa tangngacan tntaanaatg aattttgttt ccggcagtn cattaatncn      300
ncattggaat cnttnccggg gcnggggggt ggaaattaan ncccccaana aaantttttt      360

```

- 156 -

agccccgacc ccnancac ttaaattccc actggttcca accaaaagaa c 411

<210> 166

<211> 404

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 166

gcggataaca atttccacag gacgactcca agtgagggcg gccaaagtcct cgctgagcag 60

agagggagcc gttcatgtca gagactcact gccagaaaag ccttaccat tttggttttc 120

actattgaga ccgcaactgc ttgcactgat cattttggtt ccgtgagcag ttggtgattt 180

tagttggtct ggtgttcggg ctaagaatat tttattgtgg acttaattac aaccctgcct 240

gtaatgattc aatgctgnat tatgatattg ctgnaaacia aattcattct tatattggca 300

cttattcttt gnetgattca naagttaata ggagcttttg aatcattatt catgaccct 360

ttgcaatgtg tcagctccaa naaagntttc cccaatttg ngac 404

<210> 167

<211> 403

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

- 157 -

<223> "n" is an unknown nucleotide

<400> 167

```

gtgattagcg gataacaatt tcacacagga cgactccaag ggtacccagt catagttgtg      60
ggggctatat acttttatga gtttgatctt taggagctct aactactagg tcctcacagt      120
aagtatcaga tgannnagtc ctcttgtgct tcttggtagg aggaggggaa aaaactatta      180
taaaataagc cagaggtggg aggatcactt gagcccagaa gtttgagacc agcctggaca      240
acatagtgag atcctatctt tacaaacaat taaaaaaaa ttaagccatg catggtggcg      300
catgctggtg gtcccagctc tcangttgaa taggagcntc gcttggggccc angaggcaag      360
gctgcagtga ccatgattat atactgcctt cagctgggtg aca                        403

```

<210> 168

<211> 290

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 168

```

ccagactctt tgtgatgtag cttttaggag gcactcaggt gncacggcta nactgcagct      60
atgagacaga tctggcttcn atccaanagt tgnecatgcac ttgctgtgtg accttgggca      120
agtcacttca cttctctgag ccccggtgtc ctcatctgta caatgnggct tacgatacta      180
ctacctcata ggggtntcct ggggatccag tatgangaag tgcncagggt gcttggcatg      240

```

- 158 -

gtgcccgga cggcaaaaag tgctcaataa atgtttttgt cntaacnga 290

<210> 169

<211> 473

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 169

tccacgactc tctacnnatg ataactcaat tcaaatgtgt tagcctaaag ctctggaact 60

ggtattccaa ccagctgacc gaactcactg accagtacag gcatgggttat ttcaacatta 120

atagcatgtc aactggactc ctatttgtaa atgttatcaa tctaagcaat ccagctcatc 180

agtctactag tttgcttctt tccnagagat gtcaagtcct caagaatttg atggcttctt 240

ctgcagctat aaccacaagg aacctacaca ttgtaactca ngtcactgc tggtcatga 300

aatgtgtaaa gtagaaccct ccttcccgag aaataagaca ggacaataaa aggtggcggtt 360

tttgtacttt acctggattc cattggctgg ttttaccact cctatcagat tgtagtgtaa 420

ttgtgtgac gcanaccatt anttttccca gtgatgattt aataaaatta tga 473

<210> 170

<211> 386

<212> DNA

<213> mammalian

- 159 -

<400> 170

cacgaccgta ataccagcc catgtttggt gctctgctga gtgggctgcg agaagcggga 60
agaattgcag accagttttt gggggccatg tatacgctgc ctgccaggc cacaccaggt 120
gttctgcac agcagtcccc aagcatgtga gacagatgca ttctaaggga agaggcccat 180
gtgcctgttt ctgccatgta aggaaggctc ttctagcaat actagatccc actgagaaaa 240
tccaccctgg catctgggct cctgatcagc ttgatggagc tcctgatttg acaaaggagc 300
ttgcctcctt tgaatgacct agagcacagg gaggaacttg tccattagtt tggaattgtg 360
ttcttcgtaa agactgaggc aagcaa 386

<210> 171

<211> 233

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 171

tcaccacaca ctagccttga tatttggtggc tccgctctc tcaactcccc agttcctttc 60
agacatcttt agtttaaagg tgagctgaaa ttaagaagtt ggaaatccta accangtgtg 120
gtgggattcg cctgtaatcc cagctacttg ggagactgag atganaggat cacattgagc 180
ccangagttt gaggccngcc tgggcaacat ataccctccc ctgacatctn tga 233

<210> 172

- 160 -

<211> 215

<212> DNA

<213> mammalian

<400> 172

tcgcctaggg aaaagagagt taacggatac aaattacagc tagaaagatg ggaagagtga 60

attccagtgt tctaaagcag ggtaggtgac tacagttaat gattatttat tgtctactta 120

ttgtatatta ttgtatattt tcaaattattg tatattttca aagaggattc tgaatgttcc 180

caacacaaca aaataataaa tatttgaggt gatga 215

<210> 173

<211> 267

<212> DNA

<213> mammalian

<400> 173

tcgcctagggc tgacctgtta tggacccccca aattctgaga gttcctgcaa caagaatact 60

gctgttgaca ctccagtgga aatcccagca gccttggttag tgcacttgaa agtgggagaa 120

tgctgaccct gatgacttgt actgattcct gagccttaac actgtgctct ttccttctgt 180

atataccatg gtcttacttt ccaactctgt acagatttat ttatggagga gctaggtcca 240

taaatgttgt aataaatatt cctttga 267

<210> 174

<211> 423

<212> DNA

<213> mammalian

<220>

<221> misc_feature

- 161 -

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 174

ggatagtgac cgtgacttnc taacgcataa tattctgtga tacagccttc cgtacatgtg 60

tgaagtcctg cataactttc gaactttgtt aaatgttggc actaggagtc atcagatcta 120

ggcttcatca ttttccagtg agaagcagag acccaaaggg cctgttactt gtgcttggtc 180

aggggactgt ctgtcatgcc tggaggctct tcggcacact tcccatctt tcccttctgc 240

acttgtggct ttcaagcacc tctgttcata gagcgtctct gaaattgagt ctcggtcatg 300

acttatcccg aagtagagca atgtgtttcc tctcattgta gtttcaggac tttgtcagta 360

caaagctctg ccctaggctt gttactttat actcatatcc tgaaaagatg tgatttcatc 420

tat 423

<210> 175

<211> 503

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 175

tccntatat gcgccaagnc tgttttggct aatccccata cattaatttt agatattctc 60

tattttatgg atagcatttn ccttgtagcc tttaaaaaag acatgtgaaa tgattgacaa 120

- 162 -

attaaagcac aatgaaaata agatataaat gaaatcagaa gtaagttagc tttaaaaaaa 180
aaaaaanagt ngggggcana nancctgttn ttgtctccan agncnggcct tntttctttt 240
taangacctn cancaccttt ntngaccaaa gataccctaa ngaccnttaa atngatntgg 300
ancangtcnt tcantctccc tgcctntca gttggctcat aggctctggc agctaagggc 360
cctgtntccc taagagggtt gtttctcggg nctaatagaca caanganngg cacgggggnt 420
aatttggncc ggngatgggg ggggggtcaan cgtcccnccc accttncacg gggngngngg 480
ggggctcccc cctaantta ncg 503

<210> 176

<211> 203

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 176

nttttggtc ctgggttgac aattnggtgg aaacagctnt attgctacta tntaaaaaaa 60
atcagcaaat ctttcccttt aagctatggt aaattcaaac tattcctggc tattcctggt 120
ntgtcaaaga attatatattt tcaaaatatg tntatttggt tgatgggtcc caggaaacac 180
taataaaaac cacagagacc agc 203

<210> 177

<211> 444

- 163 -

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 177

gctccctgct gccctcagga taaagtctgg gaccctcag catggcttgt gagactcatg 60

gngtccttgt cctgctcac ctctctgggc tcactacttg ccttcttgca ttctgggtcc 120

cagcctcctg tatccagaga tgcagtggct ctccattgcc actctgattc ctcccttctt 180

ttggtcacag agaaagggtg ctttctctgt caaancnna cttacacttg acttcctcca 240

aggagctnan ggctatactc tnttctcccg acccccaccc tggcatacta cacagatcac 300

tctgggctca cttgcctgcc taatgggcat ctccccagta gactgtaagc tccttgaggc 360

caaggattgt gttggaattt ttgtattaac agtgcctgnc ttgngctgc acctagaaag 420

cactcaataa ntgnttggtta atga 444

<210> 178

<211> 364

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

- 164 -

<400> 178

```

cataacttgaa atccaaggag tctgtgaccg atgcaattct acagacagac cagatttctca      60
cagaaaagga aaaggagatt gaagtggaat gtgtaaaagc tgaatctgca caggcttcag      120
caaaaatggt ggaggaaatg caaataaagt atcagcagat gatggaagag aaagagaaga      180
gttatcaaga acatgtgaaa caattgactt gagaagatgg agaggagag ggcccagttg      240
ntggaagagc aagagaagac cctcactagt aaacttcagg aacaggcccg agtactaaag      300
gagagatgcc aaggtgaaag tacccaactt caaaatgaga tacaaaagct acagacgacc      360
ctga                                                                    364

```

<210> 179

<211> 438

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 179

```

ccagaatcta aaaatgctgc gtatagtgga accttatgtg acctggggat ttccaaatct      60
gaagtctgtc cgagaactca ttttgaaacg tggacnagcc aaggtcaana atangaccat      120
ccctctgaca gacaatacag tgattganga gcacctgggg aagtttggcc gtcatttgct      180
tggaagacct cattcatgaa attgccttcc cagggaagca tttccaggag atctcatggt      240
tcttgtgccc tttccacctc tcagtggccc gtcatgctac caaaaataga gtgggcttcc      300

```

- 165 -

tcaaggagat gggcacacct ggctatcggg gtgaactgca tnantcacct catccgtcan 360
ctnaactaaa cccaggtgag gcagggctga aaactgncct tgggctgact tttgataggg 420
catgccttgc cactntac 438

<210> 180

<211> 356

<212> DNA

<213> mammalian

<400> 180

acaatttcac acaggatata acgaggaaaa gacattagca aaagacttga ctaagaattt 60
ttacacaaga gaatatccac acggtggctc acacctgtaa tcccagcact ttgggaggct 120
gaggtgggca gataacctga ggtcaggagt ttgagaccag cctggtcaac atggtaaaac 180
tccatctcta ctaaaaatac aaaaactaac ttgggcatgg tggcaggcac ctgtaatccc 240
agctactcag gaggcttgag gcaggagaat cacttgaacc cgggaggcag aggttgcagt 300
gagctgagat tgtgccactg cgctccagtc tggatgacag agcaaaaactc catctc 356

<210> 181

<211> 191

<212> DNA

<213> mammalian

<400> 181

gaagctgtgt gctctgggta tttcccatc tggatttttc aaatcctttt gttaattttt 60
gaccatgggtg agttcaggcg ttgttattat gttgcttatt atgaatacag tgaggatgac 120
taggtgtaaa tgaatgtaag gtaacagcta gatctgcctg aggtggagag agactgggtg 180

- 166 -

tgtatatttgg a 191

<210> 182

<211> 450

<212> DNA

<213> mammalian

<400> 182

taccaatcaa tctcggttta atcaccaaaa gtgcagagca ggcaaaatgc agctgtttat 60

caatctcaaa agctttggga cagtgtcata gttgaaagat gagacttaag aaaacagttt 120

cttaaacttc ttaaaactta agaaacattg tttcataaaa caatattgag tgggcattct 180

tctgcacagt gtgatgctcc aaccctggcc ctagtctcag tagaccatgc ttgctcgagt 240

gtgcatcgga gagaagccat gggtaacctc ccattagag gctacttcct tctagtaaca 300

ggaaggggaag ttccagcatg aggtaagtta tccagggtag aaggctcttt gaggggcttg 360

gttgaattga gagcatcatc tctagatgat gctgttcctg ctgcagatct ctaggatgga 420

gagaattctc tctttagtca gagaagttat 450

<210> 183

<211> 302

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 183

- 167 -

```

tgtttatcac actgctggat gtcaatgacc ccccccctcag tttggaaaga gcgttcagaa      60
gaagacgatg gtgctagggg cccagtgaa aattgaggcc atagacgagg atgcagagga      120
acccaacaac ctggtggatt attccatcac ccatgcagag cccgccaacg tgttcgacat      180
caattcccac acggggggaga tctggctcaa gaattccatc cgctccctgg atgccctgca      240
caacatcaca cctggaaggg actgnctatg gtccttagag gtgcaggcca aggaccgggg      300
ct                                                                           302

```

```

<210> 184
<211> 228
<212> DNA
<213> mammalian

```

```

<400> 184
tgttggtcct ttcttcctta agtgccaagt gctgagctaa aggaggataa ctttttgggg      60
aagtcattgct gaggggtgga gtgtgaccct gcctgaaaaa agggctctctt accctcccag      120
ccctggctca actctgaaga aggatcttgc tacagaagga gcccttgggc tcccttctct      180
ttgatagcag ttataatgcc cttgttccca ataaaactgg gcagatgg                    228

```

```

<210> 185
<211> 443
<212> DNA
<213> mammalian

```

```

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

```

- 168 -

<400> 185

```

ggcttcctca ggggaggggc acacctggct atcggggtga acgcatcaat cagctcatcc      60
gtcaactgan ctaaaccan gtgaggcagg gctgaaaact gcccttgggc tgacttttga      120
taggccatgc cttgccactt tacaagttct ttttgcatth actagtatth aagagtaacc      180
ttgagattgg gaggaataaa ggaggcttgg tacaaataga tgganacctg ctgggatcag      240
ngaatgcctg attacgacat ggggctatgc ataagcctaa gagttatagg cttaaagatg      300
tngagtaact aaaaactgta ttgctggccg ggcgcggtgg ctcacncctg taatcccanc      360
actttgggag gccanggcgg gcagaccatg aggtcangag attgagacca tcctggccaa      420
catgnggaaa ccctgttcta cta                                          443

```

<210> 186

<211> 203

<212> DNA

<213> mammalian

<400> 186

```

gctcctacta caaccgggta cacatcctgg ggggagcctc gaccacacct ctttggtcag      60
atgttcgtcc gcctgcagct tctgagagct gtgcgtgagg tgctccatac tggcctggct      120
atgctggggtc tccctccact gagccacatt taaggccaca gaggctccaa tacctgggaa      180
tgttcacaaa gtcacaaact gga                                          203

```

<210> 187

<211> 302

<212> DNA

<213> mammalian

- 169 -

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 187

tgtttatcac actgctggat gtcaatgacc cccccctcag ttggaaaga gcgttcagaa 60

gaagacgatg gtgctagga cccagtgaa aattgaggcc atagacgagg atgcagagga 120

acccaacaac ctggtggatt attccatcac ccatgcagag ccgccaacg tgttcgacat 180

caattcccac acgggggaga tctggctcaa gaattccatc cgctccctgg atgccctgca 240

caacatcaca cctggaaggg actgnctatg gtccctagag gtgcaggcca aggaccgggg 300

ct 302

<210> 188

<211> 131

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 188

tctcgttccc gctcaagatc aagacacagg cataggacta gaagcaggag taggacaagg 60

agtaggagtc gagatagaaa gaagagaatt gaaaagccga gaagatttan cagaagtta 120

agccggactc c 131

- 170 -

<210> 189
<211> 274
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 189
gattagcgga taacaatttc acacaggacg actccaagca aagatcttcc ctgagattct 60

cctgtgcctc ctgttggtc tctttgcac tggcctcac caccgagtct gtgtcaccac 120

ctgcttcac ttntncatgg ttggtctgta ctacatcaac aagatctcct ccaccctgta 180

ccaggcagca gctccagtc tcacaccagc caaggtcaca ggcaagagca agaagagaaa 240

ctgaccctga atgttcaata aagttgattc ttg 274

<210> 190
<211> 157
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 190
attagcggat aacaatttca cacaggatgg attggtcttc tagtggaata atgccctagt 60

- 171 -

ttctctgaga tgatgtaagt ggcacgatgt tacctaaggc ttaggcttag cttgatttct 120

gggcccantg tttgtgttnt taagatgcc a cctgttg 157

<210> 191

<211> 403

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 191

acaatttcac acaggaacgc tagtgtgtat ctatcatgta tgcaataactt tccccctttt 60

tgctttgcta accaaagagc atatatttta ctgtcagttg tctcaactct tgaatccatg 120

tggcngtttt ctctgtcctg ctgcttcttt tggcctcttc gttttccttc tctttttcga 180

caatggtaga catgaatgag atatttaaag ttcattggaa atcttcttcc ctacagcagt 240

aagcaaaaat tagcaaagag ataggtctaa atggcctctc agcttggtat gtgaaaatga 300

gatcacatac tttttaaatc caaatacaaa agcatagtct ctgcaagatt ttgttctttg 360

aatttcttga tattgnattg attattgana ctgncatcat gaa 403

<210> 192

<211> 296

<212> DNA

<213> mammalian

- 172 -

<400> 192

ctgaaaatgc agtcaaggct gctggaaagt acagacaaca aggcagaaat tatattgttg 60
aagatggaga tattatcttc ttcaaattta acacacctca acaaccgaag aagaaataaa 120
atttagttat tgctcagata aacatacaac ttccaaaagg catctgattt ttaaaaaatt 180
aaaatttctg aaaaccaatg cgacaaataa agttggggag atgggaatct ttgacaaaca 240
aattattttt atttgtttta aaattaaaat actgtgtccc ccccccccc taaaaa 296

<210> 193

<211> 420

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 193

aggcatctgg tgcccatagc agantctcaa aaggcaggag aangggacga cgatgaggaa 60
aaccttctctg agggagagat cctcctccc caagacccca gtgaagaatg ggtggattac 120
gtggactctt tggggcgctt ccggcgctgt atgagaaagg atttgccaga tctgcttgga 180
gatggataaa aatcttcagg ggagactttt tattagtcct gctaataaaa aaaccctatt 240
atctgaagat atgaagaaaa gaacttcagc gccagcaatg ggaggaagaa gaaagagagg 300
ccctgaagag gcccatgggg ccggtacatt atgaagacat tcgggaaaat gaggcccggc 360
aactnggtgt tgggtatttt gcctttgcc gagacaagag ttgagaacaa gccgatgaaa 420

- 173 -

<210> 194

<211> 327

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 194

tgatTTTTTT agtanccgga tctgtggac agggTgcagc tctaccagtt cctgtttctt 60

ctgagccaga ccctcttcag ggaagggacc aattaatttt aaaactcact tgaagcacag 120

ctggTcatgg ggcttggtat aaagttccta tttccaccct gatacttcca attcctggaa 180

ccccagocca ctcccccatc cctcctccct atcaaaactag tataatgatt ttgaatcggt 240

acagtgtggt taactgtaac taagttcaac agactattat tatctttgta ataaattaac 300

ctagcaataa aaattattct gtttcga 327

<210> 195

<211> 336

<212> DNA

<213> mammalian

<400> 195

agtgattagc ggataacaat ttcacacagg atgatgctac ctctgtgct gcaactcacag 60

ccacacttga tacacgatga caccttgctt gtttggaac atctaaacat ctagtagatg 120

acttgcaggc tgttggctac cagtttcctg tctgaggtgt atatgttaac ttcgtgatca 180

- 174 -

gtttgtatgt ttgggactct tgtcctatgt aaagttaagg tgggccgggt gcagtggctc 240
acgcctgtaa tcctaacact tgggaggccg aggcgggtgg atcacctgat ggtgaaacct 300
catctctact gaaaatacaa aaattagctg agtggc 336

<210> 196

<211> 368

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 196

cgcctagcgg ataacaattt cacacaggat ttgggtccc ccaaaaaata caaaccaaca 60
gaaacttggt atgcactcat caaaatgtac taatgggtac tctgaactca ttaccattga 120
catctgcatn ntntntnca gggaaaaaat ctcatcttct tttccagtac aaaatagttt 180
gtgaaangat gagggcattt tatctgcttg ctgtgaccan cgtgngtaca cataaacctt 240
aacaangact acaagnatat tccacanagg acactcattt gcnngnatca ncctaantna 300
tanacaatta cnaacttcnn aagcnaggng tcttggtan tanccgcaca ttagcagct 360
ccacatcn 368

<210> 197

<211> 386

<212> DNA

<213> mammalian

- 175 -

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 197

acgactcact atagggcttt ttttttttcn cataaaaaaca agttttaatt tgattgaaaa 60

taaaataaca gtcgtctctg acagnggaga aactatgctc aaangattac tttgaaatan 120

anttttnnnt tatcgtactt tnggatinga catttcatac tgactctcag atagcacata 180

atagagaatc ctccgtcttc taaattnngnc tttctctgaa atctgtacaa gtcctttgat 240

aacactatat tattgaaagt ctctggagtg aaacactata cactaattta cagtnataaa 300

tacaaaaaat tggacacggg gggaaaaaaa gttctgattg cctgcnagct gggttctcat 360

cccatggntg ccagtttgnc cagttg 386

<210> 198

<211> 303

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 198

aacaatttcc acaggatttt ggctcctcat tagttatgca aatttctgca gccagcttga 60

atttctcttc agaaaatagg acttccttctc tatcacattg tcaggctgca aatttttttt 120

- 176 -

ngtttnatgc ttnggtccc ttattaaact gaatgccttt aacagcacgc aagcacctct 180
tgaatgcttt nttgcttaga aatttcttcc accagatacc ctaaatacatt gctottaagt 240
tcaaagttcc acagatctct gggncagggg gtaaaatgct gcgaggtttg tttgctggaa 300
cgt 303

<210> 199
<211> 267
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 199
ttagcggata acaatttcca caggacgact ccaaggaaaa gaaatcatta tatcagaaag 60
aaacctgaac ttgtaagttt atcgacgac tattcatttc ttatttgttt atttatTTTT 120
attttaaaaag gttagttctt gagtcagtat gacntgacta tgtaccgagg acacaatctg 180
aagagttcct gagaaagtgt atctgcagaa gttagactgc actttggttt tatacatttt 240
agaaaggag gaggttttat acatttt 267

<210> 200
<211> 197
<212> DNA
<213> mammalian

- 177 -

<400> 200

tggtcgtctg tataactaaat ttattgggtg tttctaactt aaaagtaaga ctgcagatta 60
 tccccacca gccttagtcc aggggtgtgg ctctgtccgg gtgcagtatg cagtcagtgtg 120
 gaaccttgct ttctagtcct gggaaaaaaaa gatgtctcta attactggct tcaataaaca 180
 cgaatccaga ctgctta 197

<210> 201

<211> 498

<212> DNA

<213> mammalian

<400> 201

ggtcgtctac ttttaagggtgc attcaacacc acattttctag cataaagaac aaatttgact 60
 tactcgtgat ggagtgttct gccgtgtttt caggctagca catttcggtg atcattactt 120
 aggtggatto ttttaatcta aaacaactca gttttagaat catgtgttta attcatgccc 180
 aagaaccata tcttgtctca aggtacaagt gtagtttcgg ttcagtgaac ctcaggaaaa 240
 aacattgaag cagcttttagt gtttttaaaa taccatgctg agtgactcat tatctttgat 300
 cacacttgct tgaaatgtgc acagagaagt aggttgcagc agcttgcctt agaaagattt 360
 ctgagctcta acttattttg tgacctgttg gctaaaattt gacatttata tgccttactt 420
 tgcagtttct tgatcctctg tgaagtcttg agaaagagta ctattgctat ccctcgtaac 480
 aggaagaact tgtgctta 498

<210> 202

<211> 442

<212> DNA

- 178 -

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 202

```
atggtcgtct aacagaanta aaatgctgta aatatttgta acaacatntt tttttaacaa      60
ggccaaaaaa gaaaaaaagg ttttgggaa caaatgaact tataaagtgg ttttatataa      120
aacatcaatt gtcttgata ttttgataa gcagcagtac cagctttcat ttgtaacagt      180
ctgtggcatt ggaaaaaaag gagtctgtga ttgttgaagt gaattatggt ataaatgcaa      240
agagaagata aaatattaaa aaacatattt tctaaatgcg tagtgcattg ttaattcaag      300
cttctgtaca ctacagtata ttccattttc gttcagtttg tatatttgct gactattact      360
tgatatctct aatctctttt cctaacaaat atagcattgt agcatgcctt ttaataaatg      420
tcatgacatc tgtactctct ta                                          442
```

<210> 203

<211> 411

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 203

- 179 -

ttagcggata acaatttcac acaggagttg caccatgttg gctaggttgg tcttgaaccc 60
ctaacctcag gtgatccacc ctccttgacc tcccaaagtg ctgggattac aggcatgagc 120
cacagtcccn ngcccaatac ttaacatctt tgcatgataa aaacctgaac aagttaggta 180
taaaaggaag atgtctcaac acattaaagg ccctatatga ccggcccaga gctgaaatct 240
taacaccgaa gagttgaagg ctttttctct aagatcagga acaagacatg gatgccatct 300
tttctccttc tggtcagtgt tgtactggaa gtcatagcaa gagcatttag gcaagagaaa 360
taaagacatc taagtaggaa aagaagaaaa acttgccctct ctgattatct t 411

<210> 204

<211> 490

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 204

tagaagtgan gagatggcca cagttagaaa tcgtatgtct gantgaccgc ggctgcttcc 60
gagaaattga tgagctaata aaaaaggaaa ctaaaggcaa aggttctttg gaagtactca 120
atctgaaaga tgtanaagaa ggagatgaga aatttgaatg acacccatca atctcttcac 180
ctctaaaaca ctaaagtgtt tccgtttccg acggcacatg tttcatgtct gtggtctgcc 240
aaatacttgc ttaaactatt tgacattttc tatctttgtg ttaacagtgg acacagcaag 300
gctttcctac ataagtataa taatgtggga atgatttggg tttaattata aactgggggc 360

- 180 -

taaatcctaa aagcaaaatt gaaactccaa gatgcaaagt ccagagtggc attttgctac 420
tctgtctcat gccttgatag ctttccaaat gaaagtnctt gaggcagctc ttgtggggtg 480
aaaagtatatt 490

<210> 205
<211> 448
<212> DNA
<213> mammalian

<400> 205
cactggcatt accgcttgac caggagccct caagcggccc ttatgcaggt gtgacagagg 60
gtcacctct tgccttctag gtcacttctc acaatgttcc ttcagcacct gaccctatac 120
ttgccggtta ttcttaggtt atattagtag tgcaacaagg agtaatatta aaagctaattg 180
attaatagtg ttataactaa tgattgataa ttgtccatga tcattcttat atctaatttg 240
tgttgtgact attcttatcc tattttcttt attatactga aacagtttgt gccttcagtc 300
tcttgccctca gcacctgggt aatcctttgc ccacacattt ccgggtggct ctgtctctct 360
cttgccattc tctttctaca cacctgctcc aagttctgac tccactccc tcagcccacc 420
ccagtgccca caacctctct atctctct 448

<210> 206
<211> 466
<212> DNA
<213> mammalian

<220>
<221> misc_feature

- 181 -

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 206

```

ttttcgctcc aggtanncac tctaaacnta aagaaagctc ttctgtccgg ttactttatg      60
cagattgctc ggngatgttga tggatcaggt aactacttaa tgctgacaca taagcaggtt      120
gctcagctgc atccccctgc tggttactca atcaccaaga agatgccaga gtgggtcctc      180
ttccataaat tcagcatttc tgagaacaac tacatcagga ttacctcaga aatctctcct      240
gaactattta tgcagctggg accacaatac tatttcagta atctgcctcc tagtgaaagt      300
aaggacattc tacagcaagt agtggatcac ctatcccctg tgtcaacaat gaataaggaa      360
cagcaaatgt gtgagacgtg ccctgaaact gaacagagat gcactctcca gtgactcccc      420
agcaaacaca aggtgcagca ggggtcccaaa ggtagctgga tggctg                        466

```

<210> 207

<211> 341

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 207

```

gggcatnttt gaagacaaac gatgtagtac aattgaaaga acattaaaca ntagaacaaa      60
gggcaagcct ctcaacctgg ccctgccact aattaattgt gaccttanna caaggaggag      120

```

- 182 -

cactgaagtc aaataaaaca ttccttttcag taaagcacag agcttgagga ngtgcttgag 180
gaagactgaa attctctgtc caggagggtta aactatatta ttagtaaata ccacaaattt 240
atcagtcctat acaatttcta attagtgttt ctgttcttta gggaggcatg ggtagaacia 300
atatattaac ttatttttta gactacagac atgctttaat t 341

<210> 208

<211> 405

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 208

gcggataaca atttcacaca ggacgactcc aagtactaca aagccatcga gggcaagtac 60
tgcttcacca tgtaataata acataaatgc agctacagct gtggctctac gggaaccccg 120
aaagttaagt tatgcntgaa gtgtgccaga agccccctaa agagccatct tcagttcttg 180
tgcagccact acgggaactt cgctccaatg tgggtgtctcc caccaaaaat gaagacaatg 240
gagctcctga gaactccgtt gagaaaccac atgagaagcc agaagcaagg ggctagtaag 300
ggattatttc tggcttnega ggcaatataa tccccagggg agcagcaggg aaaattaggg 360
aacanaacnc cagttaacct aaggctttcc ttagggagtg ctenc 405

<210> 209

<211> 295

- 183 -

<212> DNA

<213> mammalian

<400> 209

```

tgaaattcgc tgaaatactt aatgtggaat aggataatat acttccaatg ccctcaaggc      60
tgtgacctta cagccatttt acatagcaca tcattcctcc tatagggatg aactttttcc      120
tggcacgaaa agtagccgat ctgggttgaag ctttgcttat tgtaacaggc ttttatttcc      180
aggtaatatg tcttggaaga cttaattctg attagagata tagatattac tggaaactaa      240
ttgttttttt tctattgcct ctgctttatc aaagaagtaa aacattttaa tcgta          295

```

<210> 210

<211> 405

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 210

```

ggataacaat ttcacacagg atggattggc cctttacatg ccagctttgc ttgtgaatcc      60
ttgctttttt cctctcatca gccttaagtt taggcgtttg ntgttctcca gggatgtaga      120
cagttnnntt cacaagtcac agttcttccc atanatgagg ccctnntgac ctctgcngga      180
ctttaanaat ctatgcanat atttccgagt nagtggcctn gnttaaattc ttcctgngtg      240
tttctttatt ccttaaattg gttggtggga naganganga tgctttggga acccnnnnngg      300
nntccttagc gcnnaggatt gcttttaacn aattanncta aaaagncnna cttttcannn      360

```

- 184 -

ccnncnntta cntanacaaa anagcccctt tngngggcgcg cattn 405

<210> 211

<211> 412

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 211

gcggataaca atttcacaca ggatggtaaa gggcatatTT ctgaaagcac agatgggaag 60

acgggatttg ttccgtgtcc aggtgattat ggtacctcta tgcgcctggc cggcacntgg 120

ggacagaggc catgaaaatg aatacagcac agcctttgcc tccaagaaac nttaagacct 180

agtagaaatg gcaggctttt aaaacagggtt gttgggatct gatttgggtga gtgcaatgac 240

agagatactc acagcacaaa atgggggaatg agggcgggca ttgggacaca catagcctta 300

aggggcccaa aggccttttag aactgtattc cctattaaaa catgatttgc acagagcaca 360

ttctttgctt tggagacctc agaactcctt actataggcc gggcatgggt at 412

<210> 212

<211> 305

<212> DNA

<213> mammalian

<220>

<221> misc_feature

- 185 -

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 212

cggataacaa ttccacacag gaccaaacc ancaggcgcc ctggcaccgg ggaggcgagt 60
agttgnactc tgcttgtaga gtccttgagc ccagtttaca gatctggaga gcaggaggcc 120
attnttnngg acaanggctg gaggatggag taggaccag gngctctgcc atcctaggca 180
tcattcaagg tcttttatga acactctaca natgtcctcc tgnaantagc anccgagagc 240
ggcnctcagc tcctttctct nctntntttn gtctgatngc cacacacnta tctgctctctg 300
tggcc 305

<210> 213

<211> 439

<212> DNA

<213> mammalian

<400> 213

gatacgaaaa atccaattca gcaaaaattat atgggttgtt tcagtacctc tgaagggtgt 60
atatcaagaa ttctcatgct actctttgag aaaacagatt gcgtttttac ctagaaaatc 120
aactgcaagg catttttata accttaccac aagtaaaaaa aatacattga aatatactta 180
ataaatgcag actacattac ttgaaaaatg gtaatacaga atgccacttt taatatttga 240
aaatatgaat ttttggaag aaataatgta aaataaagct tctggtaagg ccttaggcag 300
ttaaatttac atcagtgtaa agtaggatga aaatctgtaa aaaataaaaa caaaaaaaca 360
aacaaaaacc tacaccaaaa aaaccctaac atccaccaat gcatacatat tgatctttgt 420

- 186 -

gctgggaaaa tctaaagca 439

<210> 214

<211> 393

<212> DNA

<213> mammalian

<400> 214

gtcataaaca aaacagattt gatTTTTTtc ctttatggaa cttaagttct agtgggtggga 60

ggaggacaga aaacagtaaa taactagatt ttgaattgtg ttagcagatg ataactgatg 120

tgggaactta gcaggtagaa ggcaacacaa ggtcaaagaa gccggggatt ccaccttgac 180

tagggagctc agggcaggcc tcaactgagaa agcaccactt gcatgaagga ggtgggaaaa 240

gccttcacct gggggaagag ccttccaggc agagggaaca gccaatgcca aggccctaata 300

gccttgGCCA ctgcctggta tgtccaaaga acaaggagac ctgtgccagc ggctgcagct 360

gagtGagcca gggatgtagg aatgtgtaga ggg 393

<210> 215

<211> 408

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 215

agcggataac aatttcacac aggactgcta ggtagacaag attagatggc aggtaagagc 60

- 187 -

tctttgaaaa tgaaaacatt ctgctatttg aatgcaaagt gttcttcttt gcctgtgatg 120
tttcttaatc tgtgaaatca tacntggacc tcgaagcntg tgtgttaaaa aaaaatagca 180
aagtggcttg ggcattgggtg ctcattgctg taatcctagc actttgagag gctgaggggg 240
gtggatcact tgaggccagg agttcgatac cagcctggcc aatatgtgaa acgccatctc 300
tactaaaaat acaaaaattt gccagggtgtg gtggcgtcta cctgtagtcc cagctcctcg 360
ggaggctgag gcacaagaat catttgaact caggaggcag aggttgca 408

<210> 216

<211> 308

<212> DNA

<213> mammalian

<400> 216

tagcggataa caatttcaca caggactgct aggtagaagg aaacaagcat ttatcctaata 60
tttcttgtat agactgtacc tcagggtatt caaatattga taaggaaaaa gtaattcttc 120
atgaaataat tctagctaac aagtagaatt ataataccat catttgcaac cctaatagaaa 180
caataggctc gagtggtatc aatggctgct aaaagcattg catgaaaagc cagtgggaaa 240
ttttgtaatg gatgaatcta gctggcccca ttgatataat ttaatgttac aaaaaggag 300
atgactct 308

<210> 217

<211> 404

<212> DNA

<213> mammalian

<220>

- 188 -

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 217

tagtgattag cggataacaa tttcacacag gagctagcag acaagctggt tttgtaggtg 60
cagaatTTTT ggacaatatt tcaagaaact catgagagtg tgTTTTacag gtatgtaggt 120
ttgtgtgtgt gcacatgtgt gcatgtgtgt cnttaatttg gcatcattat gcacttgtcc 180
aactccata atactaggtt atagtcaaaa ttggctttg gccttatgtg tcctgtggct 240
taattatgtt ccacttgata catattattt gcttacacag aacagacttt tgctgtgtag 300
gccagctttg ggaggcaaag ctgccaatct gaatctttct cctcacaag acttcactgg 360
atagaaacca caaagcaatg tttaacaag caaagtgtgc taaa 404

<210> 218

<211> 368

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 218

taacctgga gtttatcatt ctgcaccca aagggtactc aatattgga acatcctctc 60
ctgataagca aaacngtctt gccatctgta ttcattgtga ataacaacat tgcacctac 120
acagcctctt aagctgaaaa tttgatatc tgctaactct ttactaccg tataattaaa 180

- 189 -

cattcattta ttcacacatt tctcnaagct ttgaccatct aaacagatac tggcttatgt 240
gttangaant ataagaaagt ccttgacctc anggagttta tagnttaatt gganagattg 300
acagtntatt tccagaaant taaattatat ccatgtgatt ggccgcncat ggctatgcct 360
tatccacc 368

<210> 219

<211> 426

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 219

taggcattat agaggcnnag agactctttg aaaatgaaaa cattctgcta ttggaatgca 60
aagtgttctt ctttgccctgt gatgtttcct aatctgtgaa atcatactgg acctogaagc 120
tgtctattaa aaaaaatagc taagtggctg ggcatggtgg ctcatgcctg taatcctagc 180
actttgagag gctgaggggg ttggatcact tgaggccagg agttcgatac cagcctggcc 240
aatatgcgaa accctgcctc ttctaaaagt acaaaaatta gcccggtgtg gtgacatctg 300
cctgtagtcc caactactcg ggaggctgag gcacaagaat catttgagct caggaggcag 360
agtttgcagt gagctgggat ggcgccactg cactccagcc tgagtgcag agtgaggctc 420
tgtctg 426

- 190 -

<210> 220
<211> 307
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 220
tgtagttaat ctcaagagaa tttggggcctt ccaagttggt cgggccaagg acctgagacc 60
tgaagggttg actttaccca tttgggtggg agtggtgagc atctgtcccc ctttagatct 120
ctgaagccac aaataggatg cttgggaaga ctctagctg tcctttttcc tctccacaca 180
gtgctcaagg ccagcttata gtcatatata tcacccagac ataaaggaaa agacacattt 240
tttaggaaat gtttttaata aaagaaaatt acaaaaaaaaa aaannccntn tagngagtc 300
naattaa 307

<210> 221
<211> 409
<212> DNA
<213> mammalian

<400> 221
agaaggaaca atggtcgtgc caaaaggggc gcggcccggt cagcctattc gctgcactaa 60
ctgtgccccga tgcgtgccca aggacaaggc cattaagaaa ttcgtcattc gaaacatagt 120
ggaggccgca gcagtcaggg acatttctga agcgagcgtc ttcgatgcct atgtgcttcc 180

- 191 -

caagctgtat gtgaagctac attactgtgt gagttgtgca attcacagca aagtagtcag 240
gaatcgatct cgtgaagccc gcaaggaccg aacaccccca ccccgattta gacctgcggg 300
tgctgccccca cgtccccccac caaagcccat gtaaggagct gagttcttaa agactgaaga 360
caggctattc tctggagaaa aataaaatgg aaattgtcaa aaaaaaaaaa 409

<210> 222

<211> 333

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 222

ctntgggtaa tcnccctggc cttgggtgcc ctcttggttg tggacaggga agtgccagtg 60
gcagcaggaa agtcccttt ctcaagaatg cccatctgtg aacacatggt agagtctcca 120
acctgttccc agatgtccaa cctgggtctgc ggcactgatg ggctcacata tacgaatgaa 180
tgccagctct gcttggcccg gataaaaacc aaacaggaca tccagatcat gaaagatggc 240
aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga acagtgggtgg 300
gcatggagag gatatgacat gaaaaaaaaa aaa 333

<210> 223

<211> 232

<212> DNA

<213> mammalian

- 192 -

<400> 223

```

cccttgccag ctgttagcct tagagtgatt gcagtgaaca ctgtttacac accgtgaatc      60
cattcccatc agtccattcc agttggcacc agcctgaacc atttggtacc tgggtgtaac      120
tggagtcctg tttacaaggt ggagtcgggg cttgctgact tctcttcatt tgaggtcaca      180
tttttcccc gtggggaaat aaactgactt tggactgctt caaaaaaaaa aa                232

```

<210> 224

<211> 463

<212> DNA

<213> mammalian

<400> 224

```

tcttgttttc ttctctctcc ttaagcctct gctcctcgtc ctgtttgtcc ttcatttggt      60
tctctgctgc ctttggttaag cccacgtct cgttgccaaa ctctcagcg tatgcctcat      120
cgttggtgat gaggaagttg tcaaagatgg tgccagactt gacctgccag aggtccaggc      180
ccagcacgcc aaagttatca taggcataga tacatgggat cgggagaata ctcggggttg      240
tcaatttctg ggtggatcca agtgcccttg taatctgggt tgtcgatctg ccggggcttc      300
cactcacctt tgtactcagg gttctgaatc actgggggtt ccactctcc gtccatctct      360
tcatcccagt cctcgggctt cttagcatca gggtcagga tatgctcggg cttgtcccag      420
tcctcaggct tggagtcgtc ctgtgtgaaa ttgttatccg cta                        463

```

<210> 225

<211> 388

<212> DNA

<213> mammalian

- 193 -

<400> 225

```

cgtccccctga cgagttctat gtatgtccct gggaagctgc atgatgtgga acacgtgctc      60
atcgatgtgg gaactgggta ctatgtagag aagacagctg aggatgcaa ggacttcttc      120
aagaggaaga tagattttct aaccaagcag atggagaaaa tccaaccagc tcttcaggag      180
aagcacgcca tgaaacaggc cgtcatggaa atgatgagtc agaagattca gcagctcaca      240
gccctggggg cagctcaggc tacttgctaa ggcctgagag tttttgcaga aatggggcag      300
agggacaccc tttgggcgtg gcttcctggt gatgggaagg gtcttgtgtt taatgccaat      360
aaatgtgcca gctgggcaaa aaaaaaaaaa                                     388

```

<210> 226

<211> 494

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 226

```

ctccttcctg tctaccttaa tcatgaaacc gaatnntngg ggtngtattc tccccaccct      60
canctcctcc tgttctcacn agggatgtga gggaactgaa cnctgggtgcc nngctangng      120
gtangggcct ctccctcaact gnnngactgn agctggncct ctgtatacct ganggggtccn      180
tctntntagg gnctcctgta nggcttatga ctgtgaatcc ttgatgtcat gattntatgt      240
gacnattcct aggagtcctt gcccttagag tntgagcagg gctggacccc aanccctcc      300

```

- 194 -

ctcttccatg gagagaagag tgatctggct tctcctcgga cctgtgngaa tatcattcta 360
ttaatggntc ccgagacgtt ntttggtgaa ggangnccat ccctgggcat tatctgctat 420
gctgannagc tectctctgg nontgctnng gggctgnatt tgatataatt ntataannct 480
tncnccaaaa aaaa 494

<210> 227
<211> 287
<212> DNA
<213> mammalian

<400> 227
gaatattgta agtcagccct gggacccgag gatttctggg accccgcagt tgggaggagg 60
aagtagtcca gccttccagg tggcgtgaga ggcaatgact cgttacctgc cgcccatcac 120
cttgagggcc ttccctggcc ttgagtagaa aagtcgggga tcgggggcaag agaggctgag 180
tacggatggg aaactattgt gcacaagtct ttccagagga gtttcttaat gagatatttg 240
tattttatttc cagaccaata aatttgtaac ttgcaaaaaa aaaaaaa 287

<210> 228
<211> 300
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

- 195 -

<400> 228

caatggtaaa cctcgagaca acaaacaagc aggggtgttt gaaccaacca tagttaaagt 60
taagagtttg aaatttgcaa cagaagctgc aatcaccatt cttcgaattg atgatcttat 120
taaattacat ccagaaagta aagatgataa acatggaagt tatgaagatg ctgttcactc 180
tggagccctt aatgattgat ctgatgttcc ttttatttat aacaatgtta aatgcaattg 240
tcttgtaccn tgagttgagt attacacatt aaagtaaagt acaagctgca aaaaaaaaaa 300

<210> 229

<211> 306

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 229

gctttggagt tctgcctgga gtggttcaac agtctctggt gcaagtctaa taagagatca 60
ggcntatata tctgcctttg cataatatta tggtagccctt attgatatat ggtaagggtg 120
tactagggga ttaggatgat tgtaagagaa tgagaaagat gaccaaagg ttggtggtag 180
ggaggctttt tcttatttcc aaatacttga gaaattacct tttggtttac aaatctatga 240
tcaacttatt ccattaaata gatacattaa aaaaattaaa aactgattct tctgcaaaaa 300
aaaaaa 306

<210> 230

- 196 -

<211> 317
 <212> DNA
 <213> mammalian

<220>
 <221> misc_feature
 <222> ()..()
 <223> "n" is an unknown nucleotide

<400> 230
 gagcttgtgc tcaggagtcc agcncgtcca gcctcggggg gtaggtttct gaggtgtgcc 60
 attggggcct cagccttctc tggtgacaga ggctcagctg tggccaccaa cacacaacca 120
 cacacacaca accacacaca caaatggggg caaccacatc cagtacaagc ttttaciaaat 180
 gttattagtg tcctttttta tttctaagtc cttgtcctct taaaagntat tttatttggt 240
 attattattt gttcttgact gntaattgtg aatggtaatg caataaagtg cctttgttag 300
 atggcaaaaa aaaaaaa 317

<210> 231
 <211> 279
 <212> DNA
 <213> mammalian

<220>
 <221> misc_feature
 <222> ()..()
 <223> "n" is an unknown nucleotide

<400> 231
 cggntnantt nctgnngggac ccaacnaaac gcaccnnngc tntnattnag gtacactgca 60

- 197 -

tcagcacaga atttactccc ggangcacgg aggtgaaaag ggagtgccct ttaggatcca 120
 ggttgacncc ttttaagcaca atgaaaatgg agaatacaca gatcatntac actcagctag 180
 ctgccaaatc anagttttta agcctaaagg tgcagacang aaacanaaaa cttgaccgag 240
 agaatatgga gaagagaaca gctcatgaaa aaaaaaaaaa 279

<210> 232

<211> 485

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 232

tctgacaang tagnagnagg acatctgtgn cccagattnc cttctacngt ggccgactta 60
 ccttgtgatt ttatgcaccc tntangaccc cttcatnngt ctnacaaca ccaacagcaa 120
 atggggcagg ttttacagca gcagaatata caacaaggat caattaattc accctccacc 180
 caaactttca tgcagactaa tgagcgaagg caggtaggcc ctccttcatt tgttctgat 240
 tcaccatcaa tcctgtttgg aagcccaa at tttctttctg tgaagcaggg acatggaaat 300
 ctttctggga ccagcttcca gcagtccca gtgaggcctt cttttacacc tgctttacca 360
 gcagcacctc cagtagctaa tagcagtctc ccatgtggcc aagattctac tataacccat 420
 ggacacagtt atccgggata ncccaatcgt cattcagttg tatttgatat atccagagga 480
 aaaag 485

- 198 -

<210> 233
<211> 449
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 233
caccctcttc tgaacacctg ctgcctgggc ttcatagcac tcgcctactc cgtgaagtct 60
agggacagga agatgggttg cgacgtgacc ggggccagg cctatgcctc caccgccaag 120
tgcctgaaca tctgggccct gatcttgggc atcttcacga ccattctgct catcatcatc 180
ccagtgttg tcngtccagg ccagcgata gatcaggagg catcattgag gccaggagct 240
ctgcccgtga cctgtatccc actgtactct atcttcacat cctcgccctg ccccagagg 300
ccaggagctn tgccttgac ctgtattcca ctactccc ttccattcct cgccctgtcc 360
ccacagccc agtcttgcac cagcccttta tctacacgc tttctacan tggcattaat 420
aaagtgatat gtttctggaa aaaaaaaaaa 449

<210> 234
<211> 480
<212> DNA
<213> mammalian

<220>
<221> misc_feature

- 199 -

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 234

gcctaccaag gatgtgcatg agtgtggcct tctcctctga caaccggcag attgtctctg 60
gatctcgaga taaaaccatc aagctatgga ataccctggg tgtgtgcaaa tacactgtcc 120
aggatgagag ccactcagag tgggtgtctt gtgtccgctt ctgccccaac agcagcaacc 180
ctatcatcgt ctctgtggc tgggacaagc ttgggtcaagg tatggaacct ggctaacttg 240
caagctgaag accaaccaca ttggccacac aggctatctg aacacgggtga ctgtctctcc 300
agatggatcc ctctgtgctt ctggaggcaa ggatggccag gccatgttat gggatctcaa 360
cgaaggcaaa cacctttaca cgctagatgg tggggacatc atcaacgccc tgtgcttcag 420
ccctaccgnt ctgctgtgtg ctgcacagcc ccacataaga ttgggattag aggaaagatc 480

<210> 235

<211> 241

<212> DNA

<213> mammalian

<400> 235

tttcttctcc cttgcctttg actcttggac tagtgcagag gctttaagta gtttaaaatg 60
ggcttttgct tttctaggtc attaacgttt tttatttagt ttcttttagcc aatagtggct 120
gagtttcgca cttgattttc aatattttat agtaagaaat gacaaactgc tttgtttcat 180
ttcataaaca aactctgcat ttagataact attaaagggt gttaagacga aaaaaaaaaa 240
a 241

- 200 -

<210> 236

<211> 345

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 236

ttcagttcaa ataattaagg ctcttctnga ctgcagtgac ttccccacac attgaaattc 60

atgagggtag tatcctgcag acagtgagaa catgttacia tatctatttg gccagcaaaa 120

atctcatcaa tcaaaccctg ccaaggctac ccttactcag atgctgaacg tcattttcac 180

ccgcatggaa aaccaagtgt tgcaggaggc cagagaactg gaaaaaccaa tccagtcaaa 240

accccagtc cctgtgatcc aagctgcagc aggtatcccc aaagttcggt cgtttgaagc 300

acagtcaggc acaaagcaaa ccaacaactc ccgaaaaaaaa aaaaa 345

<210> 237

<211> 487

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 237

- 201 -

ctccgnatcg gtcgnaaatg gcanaggtgg angagacact gaagcgactg canagccaga 60

agggagtgcg gggaaatcatc gtcntgaaca cagaaggcnt tcccatnang agcaccatgg 120

acaacccac caccacccan tatgccaacc tcatgcacag cttcatcctg aaggcacgga 180

gcaccgtncg tgacatcaga ccnccagaac gatctcacct tccttctgaa ttcgctccaa 240

gaaaaaatga aattatggtt gcaccaaata aanactatctt cctgatngtg attcagaatc 300

caaccgaata agcncctctc ttggctcctt gtgtcattcc ttaatttaat gcccccaan 360

aatgttaatg tcaatcatgt cagtggacta ncacatggca gtcgnttgga ccnactcccc 420

caatccantg accgtgtgtg gctgcggttt tttccccacc acggaaccct gtgtgnccac 480

cttccca 487

<210> 238

<211> 211

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 238

aatgacccat agtgtgagaa cttccaacaa gcctcaaagt cccttgagac tccccaatc 60

ctaataaggc atgcgaaatg ttctcatgaa ctaccccaca acacgcctaa aactcaaac 120

acccaaaaat atctctctca atgtcctgan acatgaaccc aaaaagagac ccacaataaa 180

ctcgtgactt gtcccctcga aaaaaaaaaa a 211

- 202 -

<210> 239
<211> 367
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 239
ctttggaaag cccaggggca cntgtggcnc cgggttcaca ttggccaagt tatcatgtcc 60
atccgcacca agctgcagaa caaggagcat gtgattgagg ccctgcgcag ggccaagttc 120
aagtttctctg gccgcagaag atccacatct caaagaagtg gggcttcacc aagttcaatg 180
ctgatgaatt tgaagacatg gnggntgaaa agcggctcat ccagatggc tgtgggggtca 240
agtacatccc cagtcgtggc cctctggaca agtggcgggg ccctgcgctc atgagggtt 300
ccaatgtgct gccccctct taatactcac naataaaatt ctacttctg tccgaaaaaa 360
aaaaaaa 367

<210> 240
<211> 451
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

- 203 -

<400> 240

natgaccagc aactggact ccgaggtggt tcagacattn cagaggggag cagtggccat 60
catcctcccg ccaggagctt ntctgttcct gcgcataatag actgtacgtt atgaanaata 120
cccanganga ctttgtgact gncacttgct gctttttctg cgcttcagta acaagtgttg 180
gcaaactata ttttctcctg gcccttgct gctggagatc ancatgctg tcctttcagt 240
ctgatccatc catctctctc ttgcctgagg ggaaagagag atgggccacn gcagagaaca 300
gaactggagg cagtccatcn agggaaatgg cgactgtgcg gccataccnn gcgaaacgna 360
nggantgcta tcnagangc ntttatcang gtgtggncn tgcacancnt gtntcacnag 420
tttantaag ccttatnnnc nttaaaanaa a 451

<210> 241

<211> 361

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 241

catctccctc cttttcttc tctctgtggt ggagaacca gctgcagagt aggcagctgc 60
ctccaggatg anttacttga aatttgctt gagtgtgtta cctcctttcc aagctcctcg 120
tgataatgca gacttcttg agtacaaca caggatttgt aattccttac tgtaacgnag 180

- 204 -

tttacagcca gggcatgatg ctttggtgtg gccancactc tgaaactgag aaatgttcan 240
aatgtactgg aaagatgatc anctattttc aacataactt gaaggcatat gctggcccat 300
aaacaccctg taggttcttg atatttataa taaaacttgg tgttttgtaa aaaaaaaaaa 360
a 361

<210> 242
<211> 429
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 242
tccttcnact ttcagtagca ctcgttttac atatgcttat aaaagaagtg atgtatcagt 60
aatgtatcaa taatcccagc ccagtcaaag caccgccacc tgtaggcttc tgtctcatgg 120
taattactgg gcttggcctc tgtaagcctg tgtatgttat caatactgtt tcttcctgtg 180
agttcatta tttctatctc ttatgggcaa agcattgtgg gtaattgggtg cttggctaac 240
attgcatggt cggatagaga agtccagctt gtgagtctct ccccaaagca gcccacagt 300
ggagcctttg gcttgggaagt ccatgggcca cctgttctt gtccatggag gactccgagg 360
ggttccaagt atactcttaa gacccctctg tttaaaaata tatattctat gtatgcgtaa 420
aaaaaaaaa 429

- 205 -

<210> 243

<211> 482

<212> DNA

<213> mammalian

<400> 243

```

atgatgtaga tgacactgat gattctcacc agtctgatga gtctcaccat tctgatgaat      60
ctgatgaact ggtcactgat tttcccacgg acctgccagc aaccgaagtt ttcactccag      120
ttgtccccac agtagacaca tatgatggcc gaggtgatag tgtggtttat ggactgaggt      180
caaaatctaa gaagtttcgc agacctgaca tccagtaccc tgatgctaca gacgaggaca      240
tcacctcaca catggaaagc gaggagttga atgggtgcata caaggccatc cccgttgccc      300
aggacctgaa cgcgccttct gattgggaca gcccgtggga aggacagtta tgaaacgagt      360
cagctggatg accagagtgc tgaaaccac agccacaagc agtcagatt atataagcgg      420
aaagctaata atgaagcatg acattccgat gtgattgata gtcaggactt tcaaagtcac      480
cg                                                                                   482

```

<210> 244

<211> 241

<212> DNA

<213> mammalian

<400> 244

```

cttgaactcc tggccccagt gagtgtaatg tctcccatgc caaagtactt ttatcttaaa      60
ttgcttattt ttttgtttat ttttttaact gactctgttt acaaaattaa ccttttatct      120
agtgcagct agattgtatc acatttgta tctatggaca actgattttt agttgtttta      180
tatggtaagt ttattattgt ttttccttat ttaagaaaca ggatctgagt aaaaaaaaaa      240

```

- 206 -

a 241

<210> 245

<211> 334

<212> DNA

<213> mammalian

<400> 245

agattgaaaa acgagacaaa tatagccgga gacgtcctta taatgatgat gcagatatcg 60

actacattaa tgaaaggaat gccaaattca acaagaaagc tgaaagattc tatgggaaat 120

acacagctga aattaaacag aatttggaag gaggaacagc tgtctaatacc cttcaagaac 180

tgtttataga agcttgagaa tggggtaaaa atttctgcta gcaaaatcaa gttctttttg 240

aaattttatc agtaatccag aatttagtag tccatgcctt ctactcagc atttagaaat 300

aaaaatgtgg tttcttaaac gtaaaaaaaaa aaaa 334

<210> 246

<211> 286

<212> DNA

<213> mammalian

<400> 246

ttgacctaaa cttccaggca ggattcttaa tgaaaaaaga ggtacaggat gaggagaaaa 60

acaagaaatt tggcctttct gtgggccatc acttgggcaa gtccatccca actgacaacc 120

agatcaaagc tagaaaatga gattccttag cctggatttc cttctaacat gttatcaaat 180

ctgggtatct ttccaggctt cctgacttg ctttagtttt taagatttgt gtttttcttt 240

ttccacaagg aataaatgag agggaatcga ctgtaaaaaa aaaaaa 286

- 207 -

<210> 247

<211> 481

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 247

tgantagttg acggctagcg gggagctagt tccgcgcgat agttatagtg ttgatgtgtg 60

aacgctgacc tgtcctgtgt gctaagagct atgcagctta gctgaggcgc ctagattact 120

agatgtgctg tatcacgggg aatgaggtgg ggggtgcttat tttttaatga actaatcana 180

gcctcttgag aaattgttac tcattgaact ggagcatcaa gacatctcat ggaagtggat 240

acggagtgat ttggtgtcca tgcttttcac tctgaggaca tttaatcgga gaacctnctg 300

gggaattttg tgggagacac ttgggaacaa aacagacacc ctgggaatgc agtttgcaag 360

gcacaagatg ctgccaccag tgtcenntga ccaccctggt gtgactgctg acttgccagc 420

gtggtacctc catgctgcag gctccatcta atgagacacc aacncactgn cactgttaca 480

a 481

<210> 248

<211> 266

<212> DNA

<213> mammalian

- 208 -

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 248

nccctgcccc ccccaacacg tgcttatgta acccgtggaa agcggcccct gctgcccctc 60

cacacacaca tacacactca ctgatctaca gcccctgttc ggcgtcagag tccccactag 120

accagtgga aggggttaga gaccaagtag gggccagttt ccaattcacc ctgtcaggga 180

gtgagnngga tctgacgttc cttgtgactt aagggtccgg cttgggaatt aaagtttggt 240

tctggccttt agcctaataaa aaaaaa 266

<210> 249

<211> 490

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 249

tctcttccc cctctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 60

aataacttct atcccagaga ggccaaagta cagtgggaagg tggataacgc cctccaatcg 120

ggtaactccc aggagagtgt cacagagcag gacagcaagg acagcaccta cagcctcagc 180

ancaccctnn cncttgagca aagcagacta cgagaaacac aaagtctacg cctgcgaagt 240

- 209 -

cacccatcag ggcctgagct cgcccgtcac aaagagcttc aacaggggag agtggttagag 300
ggagaagtgc cccacacctgc tcttcagttc cagcctgacc cctccccatc ctttggcctc 360
tgaccctttt ttcacagggg acctaccctt attgcggcct tcagctcatn tttacctnac 420
ccctctcttc ttggtttaat tatgctaatt ttggaggaaa tgaataatna ngtgatcttt 480
naaaaaaaaaa 490

<210> 250

<211> 491

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 250

tcacctctgt cttcatcttc cgcctatctg atgagcagtt gaaatctggg aactgcctct 60
gttgtgtgcc tgctgaataa cttctatccc agagaggcca aagtacagtg gaaggtggat 120
aacgccttcc aatcggttaa ctcccaggag agtgtcacag agcaggacag caaggacagc 180
acctacagcc tcagcagcac cctgacgcnt gagcaaagca gactacgaga aacacaaagt 240
ctacgcctgc gaagtcaccc atcagggcct gagctcgccc gtcacaaaga gcttcaacag 300
gggagagtgt tagagggaga agtgcccca cctgctcctc agttccagcc tgacccccctc 360
ccatcctttg gcctctgacc ctttttcac aggggaccta cccctattgc ggtcctccag 420
ctcatcttta cctacccctt cctctccttg cttaatttgc taatgttgga ggagatgaat 480

- 210 -

aataaaagtga c

491

<210> 251

<211> 484

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 251

ccctctgtct tcatcttccc gccatctgat gagcagttga aatctgggaa ctgcctctgt 60

tgtgtgcctg ctgaataact tctatcccag agaggccaaa gtacagtggg aggtggataa 120

cgccctccaa tcgggtaact cccaggagag tgtcacagag caggacagca aggacagcac 180

ctacagcctc agcagcacc tgacgcttga gcaaagcaga ctacgagaaa cacaaantct 240

acgcctgcga agtcacccat cagggcctga gctcgcccg cacaagagc ttcaacaggg 300

gagagtgtta gagggagaag tgccccacc tgctcctcag ttccagcctg accccctccc 360

atcctttggc ctctgaccct ttttccacag gggacctacc cctattgcgg tcctccagct 420

catctttacc tcacccccct cctcctcctt ggctttaatt atgctaattg tggaggagat 480

gaaa 484

<210> 252

<211> 262

<212> DNA

- 211 -

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 252

gcagtttnta ttaaananta gtgtgaaatg aatgaaatag aagaaggtaa aaataaggaa 60

caagcaataa acagttcaga gaacataatg gacatcaatg aggaaccagg aacaactgaa 120

ggtgaagaaa tcctgagtca agtagcactg aagaaatgga ggtcagaagt gtggtggctg 180

atactgacca aaaggcttta ggaagtgaag ttcaggatgc ttctaaagtc actactcana 240

tagataaaga gaaaaaaaaa aa 262

<210> 253

<211> 359

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 253

tctcaaggac ttcaaactct actcccctaa tagctttttg atgacttcta gcaagcctcg 60

ctaacctcgc cttaccccc actattaacc tactgggaga actctctgtg ctagtaacca 120

cgttctcctg atcaaatatc actctcctac ttacaggact caacatacta gtcacagccc 180

- 212 -

tataactccct ctacatatattt accacaacac aatggggctc actcaccac cacattaaca 240

acataaaacc ctcatcaca cgagaaaaca cctcatggtt catacaccta tccccattc 300

tctcctatc cctcaacccc gacatcatta cggggtttc ctcttanaaa aaaaaaaaaa 359

<210> 254

<211> 210

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 254

catagnccca tcaccctcct taacctctac ttctacctac gcctaattcta ctccacctca 60

atcacactac tccccatatac taacaacgta aaaataaaat gacagtttga acatacaaaaa 120

cccaccccat tctcctccac actcatcgcc cttaccacgc tactcctacc tatctcccct 180

tttatactaa taatcttaga aaaaaaaaaa 210

<210> 255

<211> 257

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

- 213 -

<400> 255
 gtgcgancag gggcantagg gtgggggttnc cctgggaagc agctggctag tggcttatta 60
 cttgtgactg gacctctggg cctcaatcga gttcctctac gaagaacaca ccagaaattt 120
 gtcattgcca cttcaaccaa aatcgatata agcaatgtaa aaatcccaaa acatcttact 180
 gatgcttact tcaagaagaa gaacttgtgg aagcccagac accaggaagg tgagacttcg 240
 acacagaaaa aaaaaaa 257

<210> 256
 <211> 392
 <212> DNA
 <213> mammalian

<220>
 <221> misc_feature
 <222> ()..()
 <223> "n" is an unknown nucleotide

<400> 256
 tgcgctccag gcatgcttag gtgccttcng aaagccccag ggcactgtgg ccagggttca 60
 cattggccaa gttatcatgt ccatccgcac caagctgcag aacaaggagc atgtgattga 120
 ggccctgcgc agggccaagt tcaagtttcc tggccgccag aagatccaca tctcaaagaa 180
 gtggggcttc accaagttca atgcttgntn aatttgaaga catggtggnt tgaaaagcgg 240
 ctcatccan atggctgtgg ggtcaagtac atccccagtc ntggccctct ggacaaagtg 300
 gcgggccctg cactcatgag ggcttccaat gtgcttgccc ccctcttaat actcaccaat 360
 aaattctact ttctgtcca gaaaaaaaaa aa 392

- 214 -

<210> 257
<211> 500
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 257
ttgctttatg aaactgcnct cctgtcttct ggcttcagtc tggaagatcc ccagacacat 60

gctaacagga tctacaggat gatcaaactt ggtctgggta ttgatgaaga tgaccctact 120

gctgatgata ccagtgctgc tgtaactgaa gaaatgccac cccttgaagg agatgacgac 180

acatcacgca tggaanaant agactaatct ctggcttgag ggatgactta cctgttcagt 240

actctacaat tcctctgata atatattttc aaggatgttt ttctttattt ttgttaatat 300

taaaaagtct gtatggcatg acaactactt taaggggaag ataagatttc tgtctactaa 360

gtgatgctgt gataccttag gcactaaagc agagctagta atgctttttg agtttcatgt 420

tggtttattt tcacagattg gggtaacgtc actgtaaacg tatgtacatg atgtacttgt 480

gtgggctaag tggtanctgc 500

<210> 258
<211> 375
<212> DNA
<213> mammalian

- 215 -

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 258

accatnaatc ctntctcang gacttcaaac tctactccca ctaatacgtt ttttgatcga 60

cttctagcaa gcctcgctaa cctcgctta cccccacta ttaacctact gggagaactc 120

tctgtgctag taaccacgtt ctctgatca aatatcactc tcctacttac aggactcaac 180

atactagtca cagccctata ctccctctac atatttacca caacacaatg gggctcactc 240

accaccaca ttaacaacat aaaaccctca ttcacacgag aaaacaccct catgttcata 300

cacctatccc ccattctcct cctatccctc aaccccgaca tcattaccgg gttttcctct 360

tacaacaaaa aaaaa 375

<210> 259

<211> 376

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 259

ttcatcttat cctaaccaaa tgagaataat gacatattga aaacagcctc tagcttcagg 60

ctgggcacgg tggctcacag ctataatctc agcactttgg gaggctgagg tgggagaatt 120

- 216 -

gcctgagccc aggagttcaa gaccagcttg tgcaatatag ggagactccg gctctacaaa 180
aaagagtttt tcaaaattag ccaggcngaa gtggcacaca tctgtgggcc caggtgctca 240
ggaagctgag gtgggaggat cacttgagcc caattcaaag ctgcagtgag ctngtaattg 300
catcacttgc actccaacct gggcaacaga gtaatgacct tgtcttaaaa aaaaataaaa 360
acataaaaaa aaaaaa 376

<210> 260

<211> 194

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 260

gttngcgggt gaggaacgcg gccaacagga cgggctatgt accgtccaac tacgtggagc 60
ggaagaacag cctgaagaag ggctccctcg tgaagaacct gaaggacaca ctaggtgagt 120
gtttcaccct cgagagagga agccttgtgc atttcaaggg acacatgttc gtctttctag 180
ttagtttgct gttt 194

<210> 261

<211> 406

<212> DNA

<213> mammalian

<220>

- 217 -

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 261

tgatttaata cgactcacta tagggctttt tttttttgan cgaagggaaa attcccgtt	60
tttatttttg taaangtata catatatagn catcgacatg acagatgagg aancccatga	120
agtttcccac tagtcanata tncattttca cttcatcana agcacctgat atctacngct	180
aatttataat tanatnctgt ttcaatgaan ccaaaangan ccctacaagt tcctataanc	240
aaaagcttcc aangtactag gacagtcagt aattaangca tcatttcana ggattatggc	300
tgttccttaa gaagtgaag ttcaancctg tcaacaccag aggtaatcat tttatattaa	360
tttatccgna taccattaaa atctttatct gagtatacat atgaaa	406

<210> 262

<211> 391

<212> DNA

<213> mammalian

<400> 262

attagcggat aacaatttca cacaggatgg attggtccga agggccacgt gatctcccag	60
atagcacagg aggcaggcca tgacctcatg gacatcttcc tctgcgatgt tgacatccgc	120
ctctctgtga agctcctcaa gtgaccaccc tctactgacc ctcccagggc attccagctc	180
aagctgctgg caggaactga ccagttctgt ccttggtggt ggaccctcca ggcactggtg	240
agagacatga aactgactg gccactagct tggcctggcc ctgttgagtc tgcacagtcc	300
ctgcccagct gtgtcttctg ttggaagaag gaacctgcct tagctcagtt tccaggtggt	360

- 218 -

tcctctgcct ggcaccacag ctacaagggtg t 391

<210> 263

<211> 307

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 263

aagaacaggc aggaggtaaa aagatgatgg gaagggtgtg tagactaagg gcccggttat 60

tgggtgaaat ttgagattgt aggccaactg tattttcaag cttctgaact taggcaaaat 120

attcatcgca aagtctctag ctgtcatatt ttctcacc aaattacgtt tccacgagat 180

tatttatata tagttggtct atctctgcag tccttgaagg tgaagttgtg tgttactagg 240

cttgtgtttt gggatgtcan cagtggcctg aagtgagttg tgcaataaat gttaagttga 300

aacctca 307

<210> 264

<211> 192

<212> DNA

<213> mammalian

<400> 264

tcgagggccc tctctcagtt ctgggaggat gactccagtc cctgcacgcc ctggcacacc 60

cttcacggtt gctacccagg cggccaagct ccagaccgtg ccagacccag gtgccccagt 120

- 219 -

gcctttgtct atattctgct cccagcctgc caggcccagg aggaaataaa catgccccag 180

ttgctgatct ca 192

<210> 265

<211> 243

<212> DNA

<213> mammalian

<400> 265

tctgttggag atgaccagga aattcacatc tatgattgtc caatttaaac atcaaagtct 60

ccaggcttat gctgcaaaga gaatgtacgg attgatcatg acattcctta ctttcttagg 120

cttgtttaaa agaaatatag catttattgt agcaaagact taaattttgt agatacaata 180

tgaatctttt catgttttat tggaaatgct gttcatactt taacataaag ctttcttaat 240

gca 243

<210> 266

<211> 400

<212> DNA

<213> mammalian

<400> 266

gataacaatt tcacacagga tacaacgagg ggacgtaacg gaggcaggtt ggagccgctg 60

ccgtcgccat gacccgcggt aaccagcgtg agctcgcccg ccagaagaat atgaaaaagc 120

agagcgactc ggttaaggga aagcgccgag atgacgggct ttctgctgcc gcccgcaagc 180

agaggggctc ggagatcatg cagcagaagc agaaaaaggc aaacgagaag aaggaggaac 240

ccaagtagct tttgtggctt tcgtgtccaa cctctttgcc cttegcctgt gtgcctggag 300

- 220 -

ccagtccac cagctcgcg tttcctcctg tagtgctcac aggtcccage accgatggca 360
ttccctttgc cctgagtctg accgggtccc ttttgtgctt 400

<210> 267

<211> 394

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 267

gtgatttaat acgactcact atagggtttt ttttttttgc tgggtncac atttctttat 60
ttgaaggaan ggtncaaatc aaanaactta agnggatgtt tnggtncac tnatanaaaa 120
ggtaanggaa nccccancat gcatgcnctt gccttgngga ccaggaagc cccccacgg 180
ntatggggaa attacccoga ggcttacctt ncattatcac tggtttccca gggngggctn 240
gccaaanana tattccccca acccanatto gggcgctcc catcttgccc aagttgncca 300
cgcggtcccc ccaattcttt tgancgctt nccccctgct catncngga gngngcccca 360
nggnanccnc accaannggg gnnccattttt nccc 394

<210> 268

<211> 343

<212> DNA

<213> mammalian

- 221 -

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 268

ggtccttata ccgatgtcnc ctctgccttt tgtttttcag cttcagagaa gaccaatata 60

atcccaggga cctgggtctc tgggagagga aggaagaggg agggagcaaa gagattgggg 120

tatgtcccct gtagtacact cttacctctt acttcctaga ctttgatttc tccggcagcc 180

cagatgttca gttctcttgg cccctctcta ccccttactg ggatctgggtt ttcattttcc 240

ggtccttttg ccatacacag ttacagagat cagtcaaac cataccacca cttgagatct 300

cattttattgc cacagatgca caaaataaat aaccctaaat cgc 343

<210> 269

<211> 279

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 269

caatgcccg ggataaccag cgttatcaac cagaagctaa aggatgatga ggttgctcag 60

ctcaagaaaa gtgcagatac cctgtgggac atccagaagg acctaaaaga cctgtgacta 120

gtgagctcta ggntgtagaa atttaaaaac tacaatgtga ttaactcgag cctttagttt 180

- 222 -

tcatccatgt acatggatca cagtttgctt tgatcttctt caatatgtga atttgggctc 240

acagaatcaa agcctatgct tggtttaatg cttgcaatc 279

<210> 270

<211> 209

<212> DNA

<213> mammalian

<400> 270

tgaagatatt tgtcttcaga attaaaactg cccttaattt taatatacct ttcaatcggc 60

cactggccat ttttttctaa gtattcaatt aagtgggaat tttctggaag atggttagct 120

atgaattaat agagtttgct taatcatttg taattcaaac atgctatatt ttttaaaatc 180

aatgtgaaaa catagactta tttttaaat 209

<210> 271

<211> 319

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 271

gtntntcagg acnctctctt tgcttcaagc aagcgaaaac tagaggaggt gctctctact 60

gagggggctg aagaaaatgg caacagcgac aagaagaaga aggccaagcg agactagcag 120

tcatccagac cctgcccacc tagattgttt tttagaccct ccggacctga gactgagttt 180

- 223 -

tgtctttttc ctttagcctt agcagtgggt atgaggtgtg cagggggagc ttgggtggct 240
 tcaactccgcc cattccaaag agggctctcc ctccgcactg cagccgggag cctntgctgt 300
 tttgntgggn ggagggaag 319

<210> 272

<211> 296

<212> DNA

<213> mammalian

<400> 272

caaagccagg cagaccgtcc tcctgccctg ctgggatggc tgcctggct gtgcttgtgg 60
 ctatggctgt ggttcgtggg atgttcagct ggaaaccacc tgccactgcc agtgcagtgt 120
 ggtggactgg accctgcccg ctgctgccac ctgacctgac agggaggagg ctgagaactc 180
 agttttgtga ccatgacagt aatgaaacca ggggcccaac caagaaatct actcaaactg 240
 cccacttcat ttgttccatt cctgattcctt gggtaataaa gacaaacttt gcaaaa 296

<210> 273

<211> 316

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 273

ttcagatttc ttgcttttgg ttgcattttc ctagtataat tntagcaagt tgacctcaga 60

- 224 -

gttcctgtat cagggagatt gtctgattct ctaataaaag acacattgct gaccttggcc 120
ttgccctttg tacacaagtt cccaggggtga gcagcttttg gatttaatat gaacatgtac 180
agcgtgcata gggactcttg ccttaaggag tgtaaacttg atctgcattt gctgatttgt 240
ttttaaaaaa acaagaaatg catgtttcaa ataaaattct ctattgtaaa taaaattttt 300
tctttggatc ttggca 316

<210> 274

<211> 211

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 274

tagtataatt ctagcaagtt gacctcagag ttctgtatc agggagattg tctgattctc 60
taataaaaga cacattgctg accttggcct tgccctttgt cacaagttcc cagggtgagc 120
agcttttgga tttaatatga acatgtacag cgtgcatagg gactcttgcc ttaanggagt 180
gtaacttgat ctgcatttgc tgatttggtt t 211

<210> 275

<211> 484

<212> DNA

<213> mammalian

<220>

- 225 -

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 275

ccctctgtct tcattctccc gccatctgat gagcagttga aatctgggaa ctgcctctgt 60

tgtgtgcctg ctgaataact tctatcccag agaggccaaa gtacagtgga aggtggataa 120

cgccctccaa tcgggtaact ccagaggagag tgtcacagag caggacagca aggacagcac 180

ctacagcctc agcagcacc tgacgcttga gcaaagcaga ctacgagaaa cacaaantct 240

acgcctgcga agtcacccat cagggcctga gctcgcccggt cacaaagagc ttcaacaggg 300

gagagtgtta gagggagaag tgccccacc tgctctcag ttccagcctg acccctccc 360

atcctttggc ctctgaccct tttccacag gggacctacc cctattgcgg tctccagct 420

catctttacc tcacccccct cctcctcctt ggctttaatt atgctaattg tggaggagat 480

gaaa 484

<210> 276

<211> 415

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 276

taanttatgg atccagattg ttctgagaga cgaagatact tgctgctgat agaggtgaaa 60

- 226 -

acgagattga tccgtctggg gttttacggt gtgcactggg tgctgcacag acttgtcaag 120
gtttgctacg tcctctgggc atctgcaaaa ggccctgctc tctggagtgt tgtatatagt 180
gtagcaaaaag agtatattata catcccacca atcaaaacac agctttttatt acctcatgcg 240
aactcataca accaatagaa tttcaacatg ttctgtagct taaaagtgt cacttactac 300
cttttgaaca atactccoct ggaagttggc nctttcntat ctttttgcac cttnggaatt 360
aacctntttg nttcccttca taaaangaan ggcattgga atctttttaa aaaaa 415

<210> 277

<211> 389

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 277

ctgcccggta ctatttttagg gggcccgnat gaaaataatg aggtcctttg aggagagatc 60
ttctaaaatc cacattagt atactgaatt attgagagt acaaactttt ttatcttcac 120
ccataataaa ctttttttat cttcactttg ttagcaaatc caaagaaatg tggaattttt 180
agtttagcag attcaaaatg tagaaaacag tttaccttca tatgacatat ttatatgcac 240
tatttaagct ttgaggtgta gccattttaa attcttcttt tgagatttcc aaatacatta 300
tatccatctc acaatcccc ccacgtctcc aaatttttgc atgggtttac cattgnocca 360

- 227 -

ttctgaccct cattctttct tttctaagt

389

<210> 278

<211> 302

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 278

ctttttccct gcgcngtgga cctgagaact ccgccgtgtg ttcaacgact gccgtgacat 60

cattcagcgc atgcaccttc gtcagtaga gctgctctaa gaagggaacc cccaaattta 120

attaaagcct taagcacaat taattaaaag tgaaacgtaa ttgtacaagc agttaatcac 180

ccaccattan ggcatgatta acaaagcacc tttcccttcc ccgagtgat tttgcgaaac 240

ccccttttcc cttcagcttg ctttagatgt tcccaaattt agaaagctta aggcgggcct 300

ac 302

<210> 279

<211> 340

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

- 228 -

<400> 279

aggaacacga cgacctacaa taaaaagtac cagtactatt ccaataaaca ctgcagaggg 60
agcacccttc gttgctgagt cccctcttcc ctggaaacct tccaccaggt gctgaatttc 120
cctctctcat accctccctc cctaccctaa ccaagttcct tggccatgca gaaagcatcc 180
ctcacccttc ctagaggcca ggcaggagcc cttctatacc caccagaat gagacatcca 240
gcagatttcc agccttctac tgntnctcct ccacctcact tccgtgctta accaaagaag 300
ctgtctccgg gggggtctct ttcttgaata aagcatttag 340

<210> 280

<211> 434

<212> DNA

<213> mammalian

<400> 280

cagaaatgct acccagcatc ttaaaccagc ttggtgcgga tagtctgact agtttaagga 60
gactggccga agctctgccc aaacaatctg tggatggaaa agcaccactt gctactggag 120
aggatgatga tgatgaagtt ccagatcttg tggagaattt tgatgaggct tccaagaatg 180
aggcaaactg aattgagtca acttctgaag ataaaacctg aagaagttac tgggagctgc 240
tattttatat tatgactgct tttaagaaa tttttgttta tggatctgat aaaatctaga 300
tctctaatat tttaagccc aagccccttg gacactgcag ctcttttcag tttttgctta 360
tacacaattc attctttgca gctaattaag ccgaagaagc ctgggaatca agtttgaaac 420
aaagattaat aaag 434

- 229 -

<210> 281

<211> 461

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 281

```
atctgctcat tatttcagag gggaaaccta gcaaactaag agtgataagg ggccctacta      60
cactggccttt tttaggctta gagacagaaa ctttagcatt ggcccagtag gtggcttcta      120
gctctaaatg tttgccccgc catccctttc cacagtatcc ttcttcctc ctnccctgtc      180
tctggctgtc tcgagcagtc tataagagtg catctccagc ctatgaaaca gcttgggtct      240
ttggccataa gaagtaaaga tttgaagaca gaaggaagaa cctcaggag taagcttcta      300
gcccccttca gctttctaca cccttctgcc ctctctccat tgctgcacc ccaccccagc      360
cactcaactc ctgcttgntt ttccttnggc catgggangg ttaccagtaa aatccttgct      420
aggntgatgt gggcccnat tcctttaata accattgtga c                               461
```

<210> 282

<211> 213

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

- 230 -

<400> 282
catccgcac gaacattggg gtttctncaa aatgggtgtgt gtcatacntt cttttgggag 60
gggggttngt tttcttctgt ttattttctg agactcctac aggagccaaa tttgtaattt 120
agagacactt aattttgtta atcctgtctg ggacacttaa gtaacatcta aagcattatt 180
gctttagaat gttcaaataa aatttcctga cca 213

<210> 283
<211> 422
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 283
gcacctcct acctgtcagc ctgagtatgg gcaatggcgt ttagtittgc aaaaccagac 60
acatagaggc caggtttccc ccgctcaaca ctaggccact gtgcctgcca ctgctgtctg 120
caaatgcagg ttcttggggc tctgggtggt ttgtccaatg gctaagcttt cccaggaat 180
gggtaacntg gaaaaatgta ggaattacat atgattccat caatgacagt tttcctatta 240
aaacataact tgttaaagca tagagcttag ttcaagagta aacatttcta aaaaagaggt 300
agaagcccct acctactgac tggcatcaca aacactgccc tgaaatgcca actcatttca 360
aatactgctc tagacaactg ggccctgcat ctgctgcaag gaacatccct tactttccca 420

- 231 -

tc 422

<210> 284

<211> 447

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 284

gctcttg nnc gccactggcg gtcctgaaaa acagatgact tgggcaaagg tggaaatgaa 60

gaaagtacaa agacaggaaa cgctggaagt cgtttggtt gtggtgtaat tgggatcgcc 120

caataaacat tcccttg gat gtagtctgag gcccttact catctgttat cctgctagcn 180

tgtagaaatg tatcctgata aacattaaac acttgtaatc ttaaaagtgt aattgtgtga 240

ctttttcaga gttgctttaa agtacctgta gtgagaaact gat ttatgat cacttggaag 300

atttgatatag ttttataaaa ctcagttaaa atgtctgttt caatgacctg tattttgcc a 360

gacttaaatc acagatgggt attaaacttg tcagaatttc tttgtcattc aagcctgtga 420

ataaaaaccc tg ttggactt attatga 447

<210> 285

<211> 479

<212> DNA

<213> mammalian

<220>

- 232 -

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 285

ccncctcnn cgtnnggggg agacngaana accttctccg ctgacctggt tgtggggctg 60
tgcaactgggc agatcaagac tgggtgccct tgccgatctg agcgcttggc caagtacaac 120
cagctcctca gaattgaaga ggagctgggc agcaaggcta agtttgccgg caggaacttc 180
agaaaccct tggccaagta agctgtgggc aggcaagccc ttcggtcacc tgttggtac 240
acagaccct cccctcgtgt cagctcaggc agctcgaggc ccccgaccaa cacttgagg 300
ggtccctgct agttaagcgc cccaccgccg tggagttcgt accgcttct tagaacttct 360
acagaagcca agtccctgg agccctgttg gcagctctag ctttgagtc gtgtaattgg 420
ccaagtcatt gtttttcgt cgcttccacc aagtgttaga gtatgtagcc tcgtgtatc 479

<210> 286

<211> 459

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 286

tncncctccc atttttgaac atcccaagac tttccggaca gaacgtcctg tcaactcagc 60
tgccctctcc cccaactatg accatgtggt cctgggcggt ggtcaggaag ccatggatgt 120

- 233 -

aacccaacct ccaccaggat tggcaagttt gaggccaggt tcttccattt ggcccttgaa 180
gaagagtttg gaagagtcaa gggtcacttt ggacctatca acagtgttgc cttccatcct 240
gatggcaaga gctacagcag cggcggcgaa gatggttach gtccgtatcc attacttcga 300
cccacagtac ttcgaatttg agtttgaggc ttaagaagct ggatctcctg ccgggcgtgg 360
tggctcatgc ctgtaatccc accacttttt ttttaagyca ggcggatcac ctgaggtcag 420
gagtttaaga ccagcctgac caacatggag aaacctcgt 459

<210> 287

<211> 457

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 287

cctaccaatg tttggggatg aanncggtt tgctcccaac atcctggaga ataaagaagg 60
cctggagctg ctgaagaccg ctattgggaa agctggctac actgataagg tggctcatcg 120
catggacgta gcggcctccg agttcttcag gtctgggaag tatgacctgg acttcaagtc 180
tcccgatgac ccagcaggt acatctcgcc tgaccagctt ggcatgacct gtacaagtcc 240
ttcatcaagg actaccaggt ggtgtctatc gaagatccct ttgaccagga tgactgggga 300
gcttggcaga agttcacagc cagtgcagga atccaggtag tgggggatga tctcacagt 360

- 234 -

accaacccaa agaggatcgc caaggccgtg aacgagaagt cctgcaactg cctcctgctc 420

aaagtcaacc agattgctcc gtgaccgagt ctcttcc 457

<210> 288

<211> 492

<212> DNA

<213> mammalian

<400> 288

gctccgtgac gagtctcttc aggcgtgcaa gctggcccag gccaatggtt ggggcgtcat 60

ggtgtctcat cgttcggggg agactgaaga taccttcata gctgacctgg ttgtggggct 120

gtgcactggg cagatcaaga ctggtgcccc ttgccgatct gagcgcttgg ccaagtacaa 180

ccagctcctc agaattgaag aggagcttgg gcagcaaggc taagtttgcc ggcaggaact 240

tcagaaaccc cttggccaag taagctgtgg gcaggcaagc ccttcgggtca cctgtttggct 300

acacagaccc ctcccctcgt gtcagctcag gcagctcgag gcccccgacc aacacttgca 360

ggggtccctg ctagttagcc gccccaccgc cgtggagttc gtaccgcttc ttagaacttc 420

tacagaagcc aagctccctg gagccctggt ggcagctcta gctttgcagt cgtgtattgc 480

ccaagtcatt ga 492

<210> 289

<211> 409

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

- 235 -

<223> "n" is an unknown nucleotide

<400> 289

```
tnaggcngcc tgacttnccg tggctccaca gctctagggg cctgctcctc taatcacagt      60
gggtttttgtg aggctctgtg gccagagca gacctgcata tctgagcaaa aatagcaaaa      120
gcctctotca gccactggc ctgaatctac actggaagcc aacttgctgg ccccccgct      180
ccccaaccct tcttgcttg gtaggagagg ctaaagatca ccctaaattt actcatctct      240
ctagtgtgc ctcacattgg gctcagcag ctccccagca ccaattcaca ggtcaccct      300
ctcttcttgc actgtcccca aacttgctgt caattccgag atctagtctc ccctacgct      360
ctgccaggaa ttctttcaga cctcactagc acaagcccgg ttgtccttg      409
```

<210> 290

<211> 347

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 290

```
aaaataatgt ctgatcctgt tcctaagttc caaactatag ccaacactct gatgctgctc      60
tttttcttgt aggaccaacc gtcccagttt gcctgggact ttctcatttt tacagagtcc      120
caaatcctag gaaactggag caactggtac aactggtcac ctactcttgc ccctctgtaa      180
atcaagccaa ctgtgaccat ccaatgtgcc atcttacagg gaaaagttat aaccacttat      240
```

- 236 -

tcccctataa cntaatgcta atgattgtac ttagtacatt tttatacttt tatgatattt 300

tactgattgg aaatgtcatc ctttattaaa aataaacatg gttttcc 347

<210> 291

<211> 340

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 291

cccttggtacc cagnagcant tttacaacac ccttacctgc ccgctccaca gcctcagact 60

tggttgagaaa cctacaactt tctacatcag cccatcccct acttacacaa cactctttcc 120

tgcgagttcc agcacatcag gcctcactga ggaatctacc accttccaca ccagtcgaag 180

cttcacttct acaatttgtt ctacttgaaa gcctggaaac ctagcacca gggttgtgcc 240

aggaaggaca aatttggaat ggaaaacaat gcgtctgtcc ccaaggctac gttggttacc 300

aagtgtttgt cccctctgga atccttcctt gtagaaaccc 340

<210> 292

<211> 424

<212> DNA

<213> mammalian

<220>

<221> misc_feature

- 237 -

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 292

tccnacctca ngtttccagg ggcctcactc ttcagagtgg cagagatgaa ctaaagagg	60
agctcatnca ggaagaaagc tctgaagacg aaggagaata tgaagagggt agaaaagatc	120
aggattctgt tggtgaaatg aaggatgaag gggaagagac attaaattat cctgatacta	180
ccattgactt gtctcnnntt tcacccccaa aggtccatcc agaaattggc ttcaaaanag	240
gatctttctaa ttctagtgac agtaaatacac agaccggag acattttgca gcccaaggaa	300
agaangggaa atgaaaanaa anacgncccc nttngtngcg ccnnattnaa cccctagtg	360
aactncccg ccnnctccg gtcnnccct tttggggaga gccccaccc nttgggatgc	420
ctan	424

<210> 293

<211> 401

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 293

gtacttttaa ttaaatnccc agtatntaaa aagacaaagt atttttgtcc atttgagatt	60
ctgcactcca tgaaaagttc acttggacgc tggggccaaa agctgttgat tttcttaagt	120

- 238 -

tgacggttgt caatatatcg aactgttccc aagttagtca agtatgtctc aacactagca 180
tgatataaaa ntggnacact gcagctgaat gaaaaaggaa tcaaaaccac tttgtacata 240
agttaaatcc tattggattt gtnccgtcct cccatttggt ctccggaena ttaaattgcta 300
catggggtaa ggtctggcct aaatagggtg gcttaaaact tatggtnaaa nngcntgcnn 360
ccagttttgt cnattaaagg ttttatcccc ttttttaacc c 401

<210> 294

<211> 400

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 294

taggtattat tgtgacancg gccagtcttt tttcttgacg cccagattc cccagccaag 60
ttagcctaca gaagtataat tcagagaatc caagagtttt gtaatctcca tcagtcaaaa 120
gaagagaacc tcatcagttc ctgaagcgag agaattgtca ggaccaagca gttaccgagc 180
gaggcactca cttgggcagc acatccagcc agaccganca gctnccggga tgggggtgggg 240
tcacagcaaa agggaccaga tgctggtgtg ggcccgaagc cacttttctc agagacactt 300
ttaatcattg agtatttgta ccttttcttt agaacatata ttaaaggggc attctctaca 360
aatgtggccg ttttaagaaa taaaaccccc tcaaatcccc 400

- 239 -

<210> 295
<211> 411
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 295
nattttcata gaggcccgag gatgtcaatg acaatgcacc acagtacatc agagcctgtt 60
tattaccag aaatcatgga aaattctcct aaagatgtat ctgtggtcca gatcgaggca 120
tttgatccag attcgagctc taatgacaag ctcatgtaca aaattcaagt ggaaatccac 180
aggattnttt ttcaatacat cctaaaccag gtctcatcac acttacgtca aggaaagcta 240
gaccgagaac agcaagatga acacatatta gagggtagtg tgacagacaa tgggtagtcc 300
ccccaatcaa ccattgcaag agtcattggg gaaaatcctt gatgaaatga caacaaacct 360
cagtttctgc aaaagtctac aaatcagact ccttgacggg aaaagcccga c 411

<210> 296
<211> 416
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

- 240 -

<400> 296

ctttcctatg ccncaccttt tggacttata tgatgagtgc tcgatccaag aatgttnngtt 60
ggcgccttga ttactttttg ttgtcccact ctctgttacc tgcattgtgt gacagcaaga 120
tccgttccaa ggccctcggc agtgatcact gtcctatcac cctataccta gcactgtgac 180
accnntccct aaatcacttt gagcctgggg aaataacccc ctactacca ttccttcttt 240
aaacactctt cagagaaatc tgcattctat tctcatgtat aaaactnagg aatcctccac 300
cagggctcct gtggatagaa gttcttttaa agcccaagat ttttatttta angggttttt 360
ggtttttttna aaaaaaaatt gaacaaagac tctatgactt ggttcgaata tcccat 416

<210> 297

<211> 439

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 297

cttggccctg ctgagctcta ctgcctgcag gatgggagta cactgggcaa catgaccacc 60
atggttagcc ctgtggaatt ggtggccatg gagtccggcc taacctcggc aattcaggct 120
gttgaaagca cctcagagga tgggcagacc atcattgaga ttgatccagc cccngaccn 180
tttaagctga agatcctgat gntaaagcag tcatcttgga gacagagctg aggactgang 240
agaaagttgt gggcttgaga atggaagaac acccagcadc naagttcaca atgtgggaga 300

- 241 -

nttgggggtc cttaaaagga attaacctgg ngggatcttc agggccccgg agttnttggt 360
ttgattttgg aaatttttan ntattttggt ttatttttca cnatnnnccc actcatttcc 420
cccatnggac ccctttttg 439

<210> 298

<211> 213

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 298

tgcctagcg gagactagaa nccgtagcat gatttttaaa taacctgtct ttgtttttga 60
tggttaaacag taaatgccag taangaccan gaaccagtga ttatatacac tatactggag 120
ggatttcatt tttaattcat ctttatgaag atttagaact cattccttgn gtttaaaggg 180
aatgtttaat tgagaaataa acatttgtgt aca 213

<210> 299

<211> 937

<212> DNA

<213> mammalian

<400> 299

gttcttgcct ggtgtcgggtg gttagtctct gcgacttggtg ttgggactgc tgataggaag 60
atgtcttcag gaaatgctaa aattgggcac cctgccccca acttcaaagc cacagctgtt 120

- 242 -

atgccagatg gtcagtttaa agatatcagc ctgtctgact acaaaggaaa atatgttggtg 180
ttcttctttt accctcttga cttcaccttt gtgtgcccc aaggagatcat tgctttcagt 240
gatagggcag aagaatttaa gaaactcaac tgccaagtga ttggtgcttc tgtggattct 300
cacttctgtc atctagcatg ggtcaatata cctaagaaac aaggaggact gggacccatg 360
aacattcctt tggtatcaga ccgaagcgc accattgctc aggattatgg ggtcttaaag 420
gctgatgaag gcattctggt caggggcctt ttatcattg atgataaggg tattcttcgg 480
cagatcactg taaatgacct ccctgttggc cgctctgtgg atgagacttt gagactagtt 540
caggccttcc agttcactga caaacatggg gaagtgtgcc cagctggctg gaaacctggc 600
agtgatacca tcaagcctga tgtccaaaag agcaaagaat atttctccaa gcagaagtga 660
gcgctgggct gtttttagtgc caggctgcgg tgggcagcca tgagaacaaa acctcttctg 720
tatttttttt ttccattagt aaaacacaag acttcagatt cagccgaatt gtggtgtctt 780
acaaggcagg cctttcctac aggggggtga gagaccagcc tttcttcctt tggtaggaat 840
ggcctgagtt ggcgttgtgg gcaggctact ggtttgtatg atgtattagt agagcaaccc 900
attaatcttt tgtagtttgt attaaacttg aactgag 937

<210> 300

<211> 204

<212> DNA

<213> mammalian

<400> 300

gaagaggaag cagctatgaa ggccaaaaca gagtagcaga ggtatccgtg ttggctggat 60
tttgaaaatc caggaattat gttataacgt gcctgtatta aaaaggatgt ggtatgagga 120

- 243 -

tccatttcat aaagtatgat ttgcccacaaac ctgtaccatt tccgtatttc tgctgtagaa 180

gtagaaataa attttcttaa ataa 204

<210> 301

<211> 430

<212> DNA

<213> mammalian

<400> 301

gggcagtgag gctgttcgca gagctgcgga agatgaatgc cagaggactt ggatctgagc 60

taaaggacag tattccagtt actgaacttt cagcaagtgg accttttgaa agtcatgatac 120

ttcttcggaa aggtttttct tgtgtgaaaa atgaactttt gcctagtcac ccccttgaat 180

tatcagaaaa aaatttccag ctcaaccaag ataaaaatgaa tttttccaca cttgagaaac 240

attcagggtc tatttgctcc gctaaaatta cagatggaat tcaaggcagt gcagcagggtt 300

cagcgtcttc catttctttc aagctcaaatt ctttctactgg atgttttgag gggtaatgat 360

gagactattg gatttgagga tatccttaatt gatccatcac aaagcgaagt catgggagag 420

ccacactcga 430

<210> 302

<211> 551

<212> DNA

<213> mammalian

<400> 302

ggcacgaggc tccagacccg cagcgcgcgc gcacagagct ctacgcgcgc ctcccagcca 60

cagcctcccg cgcctcgcgc agctccaaca tggcaaaaat ctccagccct acagagactg 120

- 244 -

agcgggtgcat cgagtccttg attgctgtct tccagaagta tgctggaaag gatgggttata 180
 actacactct ctccaagaca gagttcctaa gcttcatgaa tacagaacta gctgccttca 240
 caaagaacca gaaggaccct ggtgtccttg accgcatgat gaagaaactg gacaccaaca 300
 gtgatgggtca gctagatttc tcagaatttc ttaatctgat tgggtggccta gctatggctt 360
 gccatgactc cttcctcaag gctgtccctt cccagaagcg gacctgagga ccccttggcc 420
 ctggccttca aaccaccccc ctttccttcc agcctttctg tcatcatctc cacagcccac 480
 ccatcccttg agcacactaa ccacctcatg caggcccccac ctgccaatag taataaagca 540
 atgtcacttt t 551

<210> 303

<211> 403

<212> DNA

<213> mammalian

<400> 303

tccgactact tcagagttag atggaagggtg ctggatggat gctttggagt tggctttgaa 60
 atgttctagt cttcttaaac gtacaatgat cagagaagga aaggaacatg acctgagcgt 120
 ttcacagat agcgcacatg tgactttcta tggcttacta cgtgctaaca atctccacag 180
 tggtgataac ttccagttaa atgatagtga aattgaacga caacatttta aggaccaaga 240
 tatgtattct gataaatctg ataaagaaaa tgatcaagaa catgatgagt ctgataatga 300
 ggtgatgggg aaaagtgaag aaagtgacac agatacatca gaaagacaag atgactcata 360
 tatcgaacct gagcctgttg agcctttaag gagactccta cct 403

- 245 -

<210> 304
 <211> 243
 <212> DNA
 <213> mammalian

<220>
 <221> misc_feature
 <222> ()..()
 <223> "n" is an unknown nucleotide

<400> 304
 ctttctccct gntgttgctg ttgggtccct ctgagattca gtaactatTT tnggatcc 60
 cggcctgtga ttaatattna taanaccatc acagtaactc ctaacagaat tgacctccgc 120
 cagaaaacag cgtgtggggc gcctagtcgg gatatgcctc caggttaaAT cctgttttga 180
 atatactgct aaccccgctg gttataatcc ttcaatatna attgtgggca cacttgaagc 240
 tga 243

<210> 305
 <211> 210
 <212> DNA
 <213> mammalian

<400> 305
 agcactttgt tcactgtcct gtgtcagagc actgagctcc acccttttct gagagttatt 60
 acagccagaa agtgtgggct gaagatgggt ggtttcatgt ttttgtatta tgtatctttt 120
 tgtatggtaa agactatatt ttgtacttaa ccagatatat ttttacccca gatggggata 180
 ttctttgtaa aaaatgaaaa taaagttttt 210

- 246 -

<210> 306
<211> 339
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 306
ctgccggtat tctncagatc ctagctnggn ctgatagcc cttaatatat gtttgtatta 60
tgntatTTTT caactaaatc gcagttggaa aaaaacatat tnaatattat gcccttgat 120
ctgttactgc atcactagca cttgtgatgc aatanaacac ttcgcctgta ctgaangggc 180
caanagtaaa tgccttgntt tgTTTTTTtg tttgttctg ttntgatttt tgtaaacaat 240
gtctatagag ttggnagnta atgcttgaat ttgtcanata ccccttccaa aattatactt 300
gtattttaaaa aatnaangga tctacctaata ttctattga 339

<210> 307
<211> 459
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 307

- 247 -

tttgccttcc caaantttcc aggntaacna caaggagata gaaagggttaa aacaactgat 60
cgacaaagaa acaaatgacc ggaaatgcct ggaagatgaa aacgcgagat tacaaaggg 120
ccagtatgac ctgcagaaag caaacagtag tgcgacggag acaataaaca aactgaaggt 180
tcaggagcaa gaacttgaca cgcttgatga tcgactatga aagggtttcc caggagagga 240
ctgtgaagga ccaggatata acgcgggttc agaactctct gaaagagctt gcagcttgca 300
gaagcagaag gtggaagagg agcttgaatc ggctgaagag gaccgcgtca gaagactcct 360
gcaagaggaa gaagctggag gaagagctgg aaggcatgag gaggtcgctt gaaggagcaa 420
gcctcaaaat cccacctgac ccagcagctt ggagcaggc 459

<210> 308

<211> 481

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 308

ccctttggac cctaccctgt tttcattaca gtnacttcca aaacgaacaa ggacaccagc 60
aaattcccca gccctctggg agtttatgca aatattcgcc aaggagcctc cccaattctc 120
agggccagtg tcacagccct gattgaatca gtgaatggaa aaacagttac cttggaacta 180
cttgataat ggagcaggtg cttgatgcta cttaaggatg acggtgtcta ctcaagggtat 240
ttcacaactt atgacacgaa tggtagatac agtgtaaaag tgcgggctct gggaggagtt 300

- 248 -

aacgcagcca gacggagagt gataccccag cagagtggag cactgtacat acctggctgg 360
attgagaatg atgaaataca atggaatcca ccaagacctg aaattaataa ggatgatgtt 420
caacacaagc aagtgtgttt cagcagaaca tcctcgggag gctattttgtg gntntgatgt 480
a 481

<210> 309
<211> 344
<212> DNA
<213> mammalian

<400> 309
atgaagccaa cacacttgct cttggtttta agaaagattg gttgcaagca gatatgaggg 60
atgtggatat gtatataaac ttatttcattg atgcttttga catacaatat ggagtagtgg 120
ttattgcctt aaaagaaggt ctggatatat ctcatcttca aggacaagaa gaattattgt 180
catcacaaga gaaatctcct ggcaccaagg atgtggtagt aagtgtggaa tatagtaaaa 240
agtccgattt agatacttcc aaaccactca gtgaaaaacc aattacacac aaagttgagg 300
aagaggatgg caagactgca actcaaccac tgttgaaaaa aaaa 344

<210> 310
<211> 357
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

- 249 -

<400> 310

tgaccagcgg ataacaattt cacacaggac gactccaagg aaagctttgc atttaaacca 60
gaaaatatct cagaagaaaa tgcaaccac atatttattg ccattaaann gnatagataa 120
aagcaatttg acntttttaa gtatccaaca ttgcacaagt aactttgttt atccctcaag 180
caaatcctcg atgacattga tctactcct actcctactc ctactcctga taaaagtcac 240
aattctggag ttaatatctt tacgctggta ttgtctgtga ttgggtctgn nngtcnttgt 300
taacttctat ttnaactacc accattnгаа ccttaacгаа anaanaaat cttcaag 357

<210> 311

<211> 373

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 311

agcggataac aatttcacac aggagaccat tgcatgccct caactcttgc ttggcagggg 60
taccagagac tgaaagacac ggcacaaatc tcaatattca tctccacacat cacctttcnt 120
gggaactgga nagggngaaa gtcctcaaac tctgggaaca ggcganaagg aacagggatt 180
taantncccg gccacagggn catgggaagc ttgaggnagn aagggggaan ccagggaccc 240
anntnaagga nnggggtggga gnnttttncc taanttgggg ggacacccca gnntgnaaag 300

- 250 -

ctactaagna naaggggntg angggntnaa ggctnccctg aganggataa nctgaganan 360

anntntaact tct 373

<210> 312

<211> 377

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 312

tagtgnntag cggataacaa tttcacacag gagaccattg cagtacattg agtccatag 60

agacagcgcc ggggcaagtg agagccggac gggcactggg cgactctgtg cctcgctgag 120

gaaaaataac taacntnnnc aaaggagatc ctaagaagcc gagaggcaaa atgtcatcat 180

atgcattttt tnggcaaact tgtcgggagg agcataagaa gaancacca gatgcttcaa 240

gtcaacttct nagagttttc taanaagtgc tcaaaagagg tggaagacca tgtctgctaa 300

agagaaagga aaatttgaag atatngnaaa agcggacnag ggccgttatg aaananaaan 360

gaaacctata ttcctnc 377

<210> 313

<211> 387

<212> DNA

<213> mammalian

<400> 313

- 251 -

agcggataac aatttcacac aggaatggtc gtctcggaga tgcagccaag aaagccatca 60
gtaaattgac aaccaggaca gtaaagaagg gtgacaagga aactgaccca gactttgatc 120
attgtgcagt ctgcatagag agctataagc agaatgatgt cgtccgaatt ctcccctgca 180
agcatgtttt ccacaaatcc tgcgtggatc cctggcttag tgaacattgt acctgtccta 240
tgtgcaaact taatatattg aaggccctgg gaattgtgcc gaatttgcca tgtactgata 300
acgtagcatt cgatatggaa gggctcacca gaaccaagc tgttaaccgc aagatcagcc 360
ctcggcgacc tcgccggcga caactcc 387

<210> 314

<211> 289

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 314

gacaaaagga ccgnaggccc aagggcaata ataaggtgga atttgcaggt cagcccagga 60
attggcagag gaagtaggtg tctgataacc ctttgtggag aatgagattc cccccacctg 120
tgtgagaaaa ataaacagct ctggagtctt gttcctgact ccagaggaac gagagcattc 180
caggaaagag agattccctg gaaaattgaa aatgtgaatc ctagggggaa attggggatt 240
gtgtctttcc ctgttgaaaa tgtttgatg ggaataaata tcttcagga 289

- 252 -

<210> 315
<211> 389
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

<400> 315
tactggaata ttctaaaact cttgttcaca tgctattatg acttataaag cagcaacagc 60
tgaggcgcac caggacacag cttccatttc tttaacgtct gttcccttaa catcgctgaa 120
atgatttact gttgaagaga tgccttgccg tgtggccagc tgtgaggaga aagcagcttg 180
cagtgttagg acattagtc accttcagct gcagggtctc tggccgggtc tgactcagaa 240
accttggtac tcgccccttg gccacagtgc ccagacccat gtaaccact ggctcctgca 300
ttaaccaga aatacctcgc ttctatctgt gcactttage ttgngaactt acccaactgna 360
ntccctanat aaagcgntta tnaacagga 389

<210> 316
<211> 439
<212> DNA
<213> mammalian

<220>
<221> misc_feature
<222> ()..()
<223> "n" is an unknown nucleotide

- 253 -

<400> 316

```

gctccacagg ttgntntctg gaggnctcct aaacaccatt attcttcttc acgcttctca      60
nagccctaag gaagagagtg attcctcagc tcaattgtga actgctcctg ccactntgcc      120
ttcctcgtgn aaaaaaacca gactttacat catgggtgac cactcccgca gagttgtaca      180
gaacctccct tggggccaca ggatggctgg attctgtccc ctcatataca aggaggttat      240
tgggacagca tttctcccta gaacaagagt gtatatttca gaaagctatg gatgacttnc      300
catggtcata agatcactta ggcangaatg ctattctcct gatagatgtg tggaanggat      360
tcaattcatt ttgaccccaa gntctaggcn ctggattaa aatgcccaacc ccaaacgtta      420
acttttaata aaaaaaaaaa                                         439

```

<210> 317

<211> 354

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 317

```

tgggtgggctt tcccctcatg tcattggagg catctttggg aagaacaacg ccagcccctt      60
tgatgcaccc tgtcgcacca agaacatgcg ccgggagatt ccacccagc cctgggtacaa      120
gtctacntgt catccacatg actggttgag gcttcctgcc tttcaggtat cctcccttta      180
ttccatggct attactgtca ggttcctgac ctcaattttt cctgtcccta ctcatccagt      240

```

- 254 -

accctaacc aaccggtga tccctggttc agtggtacca ttcagagatc attaaatggt 300

tcctcctatc cccaagcagg actgagcttg aatgatatga gagtgtctac ttat 354

<210> 318

<211> 393

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 318

gntgnnnttn nnnntttttg tagcacggtt aacgtcctta aaacccgccg gactttctgt 60

aagaagtgtg gcaagcacca accccataaa gtgacacagt acaagaaggg caaggattct 120

ctgtacgccc agggaaagcg gcgttatgac aggaagcana gtggctatgg tgggcaaact 180

aagccgattt tccggaaaaa ggctaaaact acaaanaaga ttgtgctaag gcttgagtgc 240

tgttgagccc aactgcagat ctaagagaat gctggctatt aaaagatgca agcattttga 300

actgggagga gataagaaga gaaagggcc aatgatccag ttctaagtgt catcttttat 360

tatgaagaca ataaaatctt gagtttatgt tcg 393

<210> 319

<211> 991

<212> DNA

<213> mammalian

<400> 319

- 255 -

ctggattccc gtcgtaactt aaagggaaat tttcacaatg tccggagccc ttgatgtcct 60
gcaaataag gaggaggatg tccttaagtt ccttgcagca ggaaccact taggtggcac 120
caatcttgac ttccagatgg aacagtacat ctataaaagg aaaagtgatg gcatctatat 180
cataaatctc aagaggacct gggagaagct tctgctggca gctcgtgcaa ttgttgccat 240
tgaaaaccct gctgatgtca gtgttatatc ctccaggaat actggccaga gggctgtgct 300
gaagtttgct gctgccactg gagccactcc aattgctggc cgcttcactc ctggaacctt 360
cactaaccag atccaggcag ccttccggga gccacggctt cttgtggta ctgacccag 420
ggctgaccac cagcctctca cggaggcatc ttatgttaac ctacctacca ttgcgtgtg 480
taacacagat tctcctctgc gctatgtgga cattgccatc ccatgcaaca acaaggagc 540
tcactcagtg ggtttgatgt ggtggatgct ggctcgggaa gttctgcgca tgcgtggcac 600
catttcccgt gaacacccat gggaggatcat gcctgatctg tacttctaca gagatcctga 660
agagattgaa aaagaagagc aggctgctgc tgagaaggca gtgaccaagg aggaatttca 720
gggtgaatgg actgctcccg ctctgagtt cactgctact cagcctgagg ttgcagactg 780
gtctgaaggt gtacaggctgc cctctgtgcc tattcagcaa ttcctactg aagactggag 840
cgctcagcct gccacggaag actggctctgc agctccact gctcaggcca ctgaatgggt 900
aggagcaacc actgactggc cttaagctgt tcttgcatag gctcttaagc agcatggaaa 960
aatggttgat ggaaaataaa catcagtttc t 991

<210> 320

<211> 810

<212> DNA

- 256 -

<213> mammalian

<400> 320

gctgcaccgc gctcgctccg agtttcaggc tcgtgctaag ctagcgccgt cgtcgtctcc 60
cttcagtcgc catcatgatt atctaccggg acctcatcag ccacgatgag atgttctccg 120
acatctacaa gatccgggag atcgcgagcg ggttgtgcct ggaggtggag gggaagatgg 180
tcagtaggac agaaggtaac attgatgact cgctcattgg tggaaatgcc tccgctgaag 240
gccccgaggg cgaaggtacc gaaagcacag taatcactgg tgcgatatt gtcatgaacc 300
atcacctgca ggaaacaagt ttcacaaaag aagcctacaa gaagtacatc aaagattaca 360
tgaaatcaat caaagggaaa cttgaagaac agagaccaga aagagtaaaa ccttttatga 420
caggggctgc agaacaaatc aagcacatcc ttgctaattt caaaaactac cagttcttta 480
ttggtgaaaa catgaatcca gatggcatgg ttgctctatt ggactaccgt gaggatgggtg 540
tgacccccata tatgatcttc ttaaggatg gtttagaaat ggaaaaatgt taacaaatgt 600
ggcaattatt ttggatctat cacctgtcat cataactggc ttctgcttgt catccacaca 660
acaccaggac ttaagacaaa tgggactgat gtcacttga gctcttcatt tattttgact 720
gtgattttatt tggagtggag gcattgtttt taagaaaaac atgtcatgta ggttgtctaa 780
aaataaaatg catttaaaact catttgagag 810

<210> 321

<211> 280

<212> DNA

<213> mammalian

<220>

- 257 -

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 321

gactcactat agggcttttt ttttttnggn ggcaatcaca gtctttaatc attaatngtc 60

atatctctga ttngtttagca agtgccagct ttgtaggctg gttgaagtac agaactcaga 120

ggaanaaaaa aataaaattt tagcttttnt ggganagnag cccntttttg ggacnatnaa 180

aacacttttt tggtttcctt tnaacttggg aactttttaa aacattangg gggtnngggg 240

ggggttgggc nattttttta atntnggggn cangngagn 280

<210> 322

<211> 373

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 322

gcggataaca atttcacaca ggatcgatac aggactgttc tggggccagc ttcccttaac 60

tctgtagcct ggcagctctga cccaaagttg ccctcaccca aaggttctgg ctcttcctc 120

cctcantttt actttccctt ccccataag ttggaggata aaatgggtat caatgctaata 180

atttccaggg agaacatgaa accagaggtt tctttctttc tctgtaatct gctatgaaag 240

aaaataacaa atgaaaataa atgtgtacta cactttgaaa tattttaact aaagccttta 300

- 258 -

ttctatacaa ctgtgaaata cagatTTTTac ccttttggca ttgcgaaaaa aaaaaaagcc 360

ctatagnggt cgt 373

<210> 323

<211> 400

<212> DNA

<213> mammalian

<400> 323

attagcggat aacaatttca cacaggatcg atacaggatg cttgccaaaa gaggtggata 60

tgtctggggtt gaaactcaag caactgtcat atataacacc aagaattctc aaccacagtg 120

cattgtatgt gtgaattacg ttgtgagtgg tattattcag cacgacttga ttttctccct 180

tcaacaaaca gaatgtgtcc ttaaaccggt tgaatcttca gatatgaaaa tgactcagct 240

attcaccaaa gttgaatcag aagatacaag taagcctctt tgacaaactt aagaaggaac 300

ctgatgcttt aactttgctg gccccagccg ctggagacac aatcatatct ttagattttg 360

gcagcaacga cacagaaact gatgaccaca cttgaggaag 400

<210> 324

<211> 405

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

- 259 -

<400> 324

gatttaatac gactcactat agggcttttt tttttttcgg ancaatgaat ttttaatttt 60

ctcancacaa aaaananata atngaggnga taaatgngct aattncactg attngatcat 120

tatncatcat atncntatat ttaaatatca cacttgtncc ccataaatat gtncaacact 180

tacgtgtcat ttaaaaataa ngataaaatt atatcaagat tcaagcgct ntngtagcgg 240

cttcccacag tcttcacatt ngganggatt ttctccactg nggttttttt gttggtcttt 300

acggtatgac cggatataca gcttctttcc caatcctcac atttgaatgg ttttttcgga 360

atggagtctn tatgattcaa aaacttgagg ccggctaaag ctttt 405

<210> 325

<211> 391

<212> DNA

<213> mammalian

<400> 325

cgctccagcc cagccctcag cctggcatgc cccctggatc aggccattgg cctcctcgtg 60

gccatcttcc caagtactcc ggcagggagg gtgacaagca caccctgagc aagaaggagc 120

tgaaggagct gatccagaag gagctcacca ttggctcgaa gctgcaggat gctgaaattg 180

caaggctgat ggaagacttg gaccggaaca aggaccagga ggtgaacttc caggagtatg 240

tcaccttcct gggggccttg gctttgatct acaatgaagc cctcaagggc ttgaaaataa 300

ataggaaga tggagacacc ctctgggggt cctctctgag tcaaattccag tgggtgggtaa 360

ttgtacaata aatttttttt ggtcaaattt a 391

<210> 326

- 260 -

<211> 300

<212> DNA

<213> mammalian

<400> 326

```
catgttggca gaaaattgaa catgactcca gaagaagctg aaaggtggat tgtaaatttg      60
attagaaatg caagactgga tgccaagatt gattctaaat taggtcatgt ggttatgggt      120
aacaatgcag tctcaccccta tcattwaagt gattgaaaag accaaaagcc tttccttttag      180
aagccagatg ttggccatga atattgagaa gaaacttaat cagaatagca ggtcagaggc      240
tcctaacttg ggcaactcaa gattctggct tctactgaag aaccayaaag aaaagatgaa      300
```

<210> 327

<211> 372

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 327

```
aatacgactc actatagggc tttttttttt ttaagttgta atctttgccg ttgtcactga      60
ncctcaaaag caattgtttt cccaaatcat ttttaagccct cccagtcaa tcttttcctt      120
ctcatcanta acttacaagg accctatttg aaaaacaacg cttattcatt cctttttcta      180
taccacacac attccgttct aggaaatngg caaccacca acacagcccg ggttctccct      240
ccttganatg tgaattttaa caaanggatt ttcgtctecn ttcttcaagc ttanaggatg      300
```

- 261 -

ancacgcgtt tactacaacg cttaattcct tctagcagca tttctcttct ataactactt 360

gcncctgcttt tt 372

<210> 328

<211> 408

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 328

tgattagcgg ataacaattt cacacaggat ccatgactcc acctccatca tcacctcaac 60

ccaaaaaggc ataattaaac tttacttctt ctctttcttc ttccactca tctaacctt 120

actcctaatac acataaccta ttcccccgag caatctcaat tacaatatat acaccaacaa 180

acaatgttca accagtaact actactaatc aacgcccata atcatacaaa gccccgcac 240

caataggatc ctcccgaatc aaccctgacc cctctccttc ataaattatt cagcttctta 300

cactattaaa gtttaccaca accaccacc catcatactc tttcaccac agcaccaatc 360

ctaccttcat cgntacccca ctaaaacact cccaagactt aaccctg 408

<210> 329

<211> 426

<212> DNA

<213> mammalian

<220>

- 262 -

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 329

agcggataac aatttcacac aggacgactc caagtgagaa agatggaaaa atatattgtt 60

tctgatgcta gtccatacac tttccaagtc ccacaaaact ttcacaaaaa tgtatataag 120

ctaaatatta gaaacnggat aacaaacntt gttttattta tagatgtaaa aaccaaacaa 180

gtcaatatga aagcttttaa tctcttaata ccattaagct ttccagtaag agcatcacat 240

aatgctctac tgttccagaa accaaatagt aaaaaaaaaa aagccctata gngagtcgta 300

ttaaatcgaa tttccccgcg gccgccatgg cggcgggnag catgcnacgt cggncccaat 360

tcnccctata gtgagtcgta ttacaattca ctggccgctcg ttttacaacg tcgtgctgga 420

aaccn 426

<210> 330

<211> 282

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 330

ttcctgtcat tccattccaa aaattatgtg gaagtggata ggagaactgc agctgtcaat 60

agcctagggc tgaatttttg tcanataaat aaaataaatc attcatcctt ttttttgatt 120

- 263 -

ataaaaat tttt ctaaaatgta ttttagactt cctgtagggg gcgatatact aaatgtatat 180
agtacattta tactaaatgt attcctgtag ggggctgata tactaaatgt attttanact 240
tcctgtaggg ggcgataaaa taaaatgcta aacaactggg ta 282

<210> 331

<211> 1008

<212> DNA

<213> mammalian

<400> 331

atgtccacag aaggaggatt tgggtggtact agcagcagtg atgccacagca aagcctacag 60
tcgttctggc ctcggtcat ggaagaaatc cggaatttaa cagtgaaga cttccgagtg 120
caggaactcc cactggctcg tattaagaag attatgaaac tggatgaaga tgtgaagatg 180
atcagtgcag aagcgctgt actctttgcc aaggcagccc agatttttat cacagagttg 240
actcttcgag cctggattca cacagaaaat aacaagcgcc ggactctaca gagaaatgat 300
atcgccatgg caattacaaa atttgatcag tttgatcttc tcatcgatat tgtccaaga 360
gatgaactga aacctccaaa gcgtcaggag gaggtgcgcc agtctgtaac tcctgccgag 420
ccagtccagt actatttcac gctggctcag caaccaccg ctgtccaagt ccatggacag 480
cagcaaggcc agcaaacaac cagctccacg aacaccatcc agcctgggca gatcttcac 540
gcacagcctc agcagggcca gaccacacct gtgacaatgc aagttggaga aagtcagcag 600
gtgcagattg tccaggctca gccacaggt caagcccaac aggccataa tggcactgga 660
caaaccatgc aggtgatgca gcagatcatc actaacacag gagagatcca gcagatccc 720

- 264 -

gtgcagctga atgccggcca gctgcagtat atccgcttag ccagcctgt atcaggcact 780
caagttgtgc agggacagat ccagacactt gccaccaatg ctcaacagat tacacagaca 840
gaggtccagc aaggacagca gcagttcagc cagttcacag atggacagca gctctaccag 900
atccagcaag tcaccatgcc tgcggggccag gacctcgccc agcccatgtt catccagtca 960
gccaaccagc cctccgacgg caaggccccc caggtgaccg gcgactga 1008

<210> 332

<211> 298

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 332

agtgatttaa tacgactcac tatagggctt ttttttttta gggttnggct ttttattgac 60
acaaacacac aaaggcagct gnggtaatgg gnggngggg tacacaaaag canaaatcgc 120
acttcacaca tttaggcctc atttanacaa tgaggaggct gagcctgtcc ctccacctcc 180
cattgcaang gttggggcaa tancctccc taatcctagc tcagngagta nagggagtga 240
cctccctacc caggaagtcc ccattttggt tgcaanggnc tcctgtgtga aattgtta 298

<210> 333

<211> 286

<212> DNA

<213> mammalian

- 265 -

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 333

cccgggcatc agccccgagg aatgcgcctc tcggaagtgc tgcttctcca acttcatctt 60

tgaagtgcc tggtgcttct tcccgaagtc tgtggaagac tgccattact aagagaggct 120

ggttccagag gatgcatctg gctcaccggg tgttccgaac caaagaagaa acttcgcntt 180

atnagcttca tatttcatga aatcctgggt tttcttaacc atcttttctt cattttcaat 240

ggtttaacat ataatttctt taaataaaaac tottaaaaatc tgctaa 286

<210> 334

<211> 442

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 334

ggtccaaggt ggattcaaac gaactgtggc tgcaccatct gtcttcatct tcccgccatc 60

tgatgagcag ttgaaatctg gaactgcctc tgttggtgtgc ctgctgaata acttctatcc 120

cagagaggcc aaagtacagt ggaaggtgga taacgccctc caatcgggta actcccagga 180

gagtgtcaca gagcaggaca gcaaggacag cacctacagc ctcagcagca cctgacgct 240

- 266 -

tgagcaaagc agactacgag aaacacaaag tctacgcctg cgaagtcacc catcagggcc 300
tgagctcgcc cgtcacaaag agcttcaaca ggggagagtg ttagagggag aagtgcccc 360
acctgctcct cagttccagc ctgacccctt nccatccttt ggcctctgac cctttttcca 420
caggggacct acccctattg cg 442

<210> 335

<211> 353

<212> DNA

<213> mammalian

<220>

<221> misc_feature

<222> ()..()

<223> "n" is an unknown nucleotide

<400> 335

gagcnggcgc agtgattata ggctttcgct ctaagattaa aaatgcccta gccactttct 60
taccacaagg cacacctaca cccottatcc ccatactagt tattatcgaa accatcagcc 120
tactcattca accaatagcc ctggccgtac gcctaaccgc taacattact gcaggccacc 180
tactcatgca cctaattgga agcgcaccct agcaatatca accattaacc ttcctctac 240
acttatcatc ttcacaattc tgattctact gactatccta gaaatcgctg tcgcttaatc 300
caagcctacg ttttcacact tctagtaagc ctctacctgc acgacaacac ata 353

<210> 336

<211> 396

<212> DNA

- 267 -

<213> mammalian

<400> 336

cttcgggtttt agtcattcct atctcaatct taatggtgat tcttctctgt tgaactgaag 60
tttgtgagag tagttttcct ttgctacttg aatagcaata aaagcgtggt aactttttga 120
ttgatgaaag aagtacaaaa agcctttagc cttgaggtgc cttctgaaat taaccaaatt 180
tcatccatat atcctctttt ataaacttat agaatgtcaa actttgcctt caactgtttt 240
tatttctagt ctcttccact ttaaaacaaa atgaacactg cttgtcttct tccattgacc 300
atttagtggt gagtactgta tgtgttttgt taattctata aaggtatctg ttagatatta 360
aaggtgagaa ttagggcagg ttaatcaaaa aaaaaa 396

<210> 337

<211> 279

<212> DNA

<213> mammalian

<400> 337

gtattgaaca aaagacggaa ggtgctgaga aaaaacagca gatgggctcg agaatacaga 60
gagaaaattg agacggagct aagagatatc tcgcaatgat gtactgtctc ttttgaaaa 120
gttcttgatc cccaatgctt cacaagcaga gagcaaagtc ttctatttga aaatgaaagg 180
agattctacc gttacttggc tgaggttgcc gctggtgatg acaagaaagg gattgtcgat 240
cagtcacaac aagcatacca agaagctttt gaaatcagc 279

<210> 338

<211> 749

<212> DNA

- 268 -

<213> mammalian

<400> 338

agccaacaga gattgttgat ttgcctctta agcaagagat tcattgcagc tcagcatggc	60
tcagaccagc tcatacttca tgctgatctc ctgcctgatg tttctgtctc agagccaagg	120
ccaagaggcc cagacagagt tgccccaggc ccggatcagc tgcccagaag gcaccaatgc	180
ctatcgctcc tactgctact actttaatga agaccgtgag acctgggttg atgcagatct	240
ctattgccag aacatgaatt cgggcaacct ggtgtctgtg ctacccagg ccgagggtgc	300
ctttgtggcc tcaactgatta aggagagtgg cactgatgac ttcaatgtct ggattggcct	360
ccatgacccc aaaaagaacc gccgctggca ctggagcagt gggtcacctg tctcctacaa	420
gtcctggggc attggagccc caagcagtgt taatcctggc tactgtgtga gcctgacctc	480
aagcacagga ttccagaaat ggaaggatgt gccttgtgaa gacaagttct cttttgtctg	540
caagttcaaa aactagaggc agctggaaaa tacatgtcta gaactgatcc agcaattaca	600
acggagtcaa aaattaaacc ggaccatctc tccaactcaa ctcaacctgg acactctctt	660
ctctgctgag tttgccttgt taatcttcaa tagttttacc taccocagtc tttggaacct	720
taaataataa aaataaacat gtttccact	749